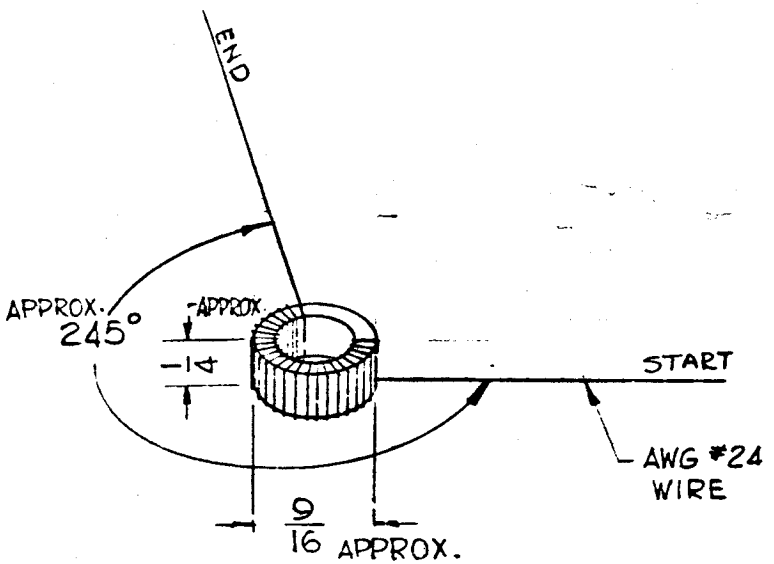
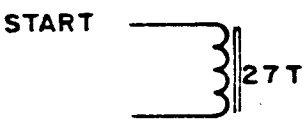
REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
1	HFR-1/T	A 2489	6-8-62

CL-300



BOTH LEADS 2" LONG



SCHEMATIC

MODEL	REQ.	FUNCTION	FREQ.(MC)	SYMBOL
HFR-1/T	1	BAND #3 OSC.	5.75-7.75	L-1027

— ELECTRICAL SPECIFICATIONS —

L = 3.3 μh ± 0.1 μh

Q = 185 MIN. AT 6.75 MC.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: 1A-2489

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			ANGER	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEATTREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, TOROID
BAND 3 OSC

DRAWN	CHECKED	FINAL APPROVAL
G.D.L		TFH 6-3-63
J. ANGER		CL-300

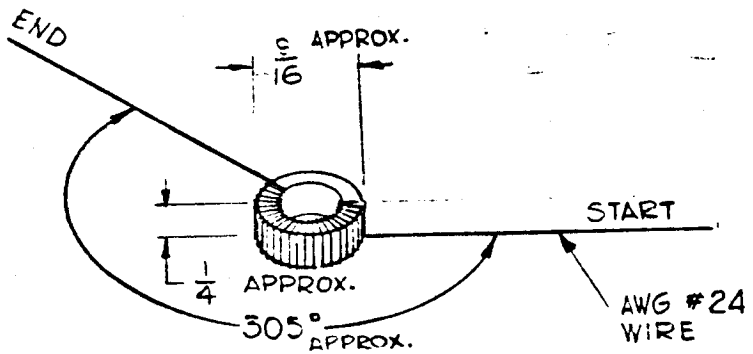
ELEC. DES. APP. | MECH. DES. APP.

TMC FORM NO. 108-A

DEFIANCE NO. 1080

REQ. PER UNIT	USED ON MODEL	ASS'Y NO.	DATE
1	HFR-1/T	A-2490	6-7-62

CL-301



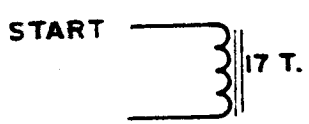
MODEL	REQ.	FUNCTION	FREQ (MC)	SYMBOL
HFR-1/T	1	BAND #4 OSC.	7.75 - 9.75	L-1032

— ELECTRICAL SPECIFICATIONS —

L = 1.25 μh ± 0.05

Q = 185 MIN AT 8.75MC.

BOTH LEADS 2" LONG



SCHEMATIC

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCAL.: 1A-2490

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			ANGER	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEATTREAT. SPEC.

FINISH & SPEC. NO

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, TOROID
BAND 4 OSC

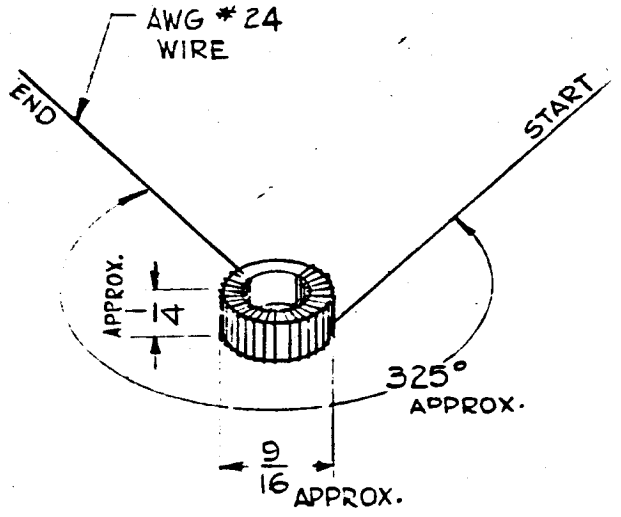
DRAWN	CHECKED	FINAL APPROVAL
G.D.L	A.D.	T F H 6.3.63

ELEC. DES. APP.	MECH. DES. APP.
ANGER	

CL-301

TMC FORM NO. 108-A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL-302
1	HFR-1/T	A-2491	6-8-62	



BOTH LEADS 2" LONG

SCHEMATIC

MODEL	REQ.	FUNCTION	FREQ.(MC)	SYMBOL
HFR-1/T	1	BAND #5 OSC.	9.75-13.75	L1037

— ELECTRICAL SPECIFICATIONS —

L = 1.48 μh ± 0.05 μh

Q = 210 MIN. @ 11.75 MC.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: 1A-2491

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.
REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	ANGER DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, TOROID
BAND 5 OSC

DRAWN	CHECKED	FINAL APPROVAL
G.D.L		TFH 6-3-63

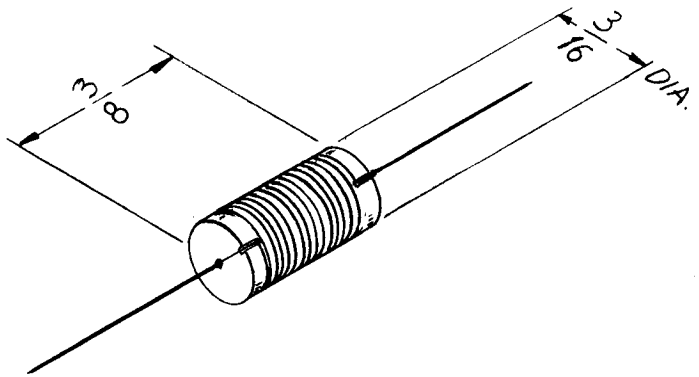
ELEC. DES. APP.	MECH. DES. APP.	CL-302

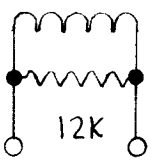
TMC FORM NO. 106-A

DEFIANCE NO. 1020

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
2	TRX-1		7-12-62

CL-303





— COIL, R.F. FIXED —

WINDING DATA

TYPE = SINGLE LAYER

Nº. OF TURNS = 30

INDUCTANCE = 1.1 μHY ± 20 %

D.C. RESISTANCE = APPROX. ZERO

CURRENT RATING = NOT RATED

COIL FORM DATA

MATERIAL = FIXED RESISTOR 12K OHMS

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: 2A3050

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	STRUMER DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, FIXED

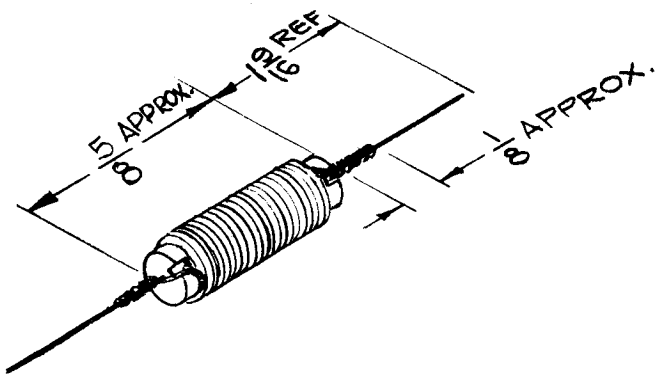
DRAWN	CHECKED	FINAL APPROVAL
Gianfilippo	7/10/63	7.11.63
ELEC. DES. APP.	MECH. DES. APP.	CL-303

TMC FORM NO. 108-A

DEFIANCE NO. 1020 36845

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
1	GPR-92	A-2508	10-13-62

CL-306

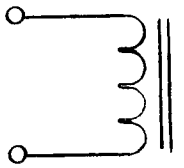


— ELECTRICAL SPECIFICATIONS —

Q = 85 @ 7.95 MCS

L ≪ 9 Mhy

R = 0



SCHEMATIC

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: 1A-3090

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		SYM: L111		

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEATTREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, R.F.

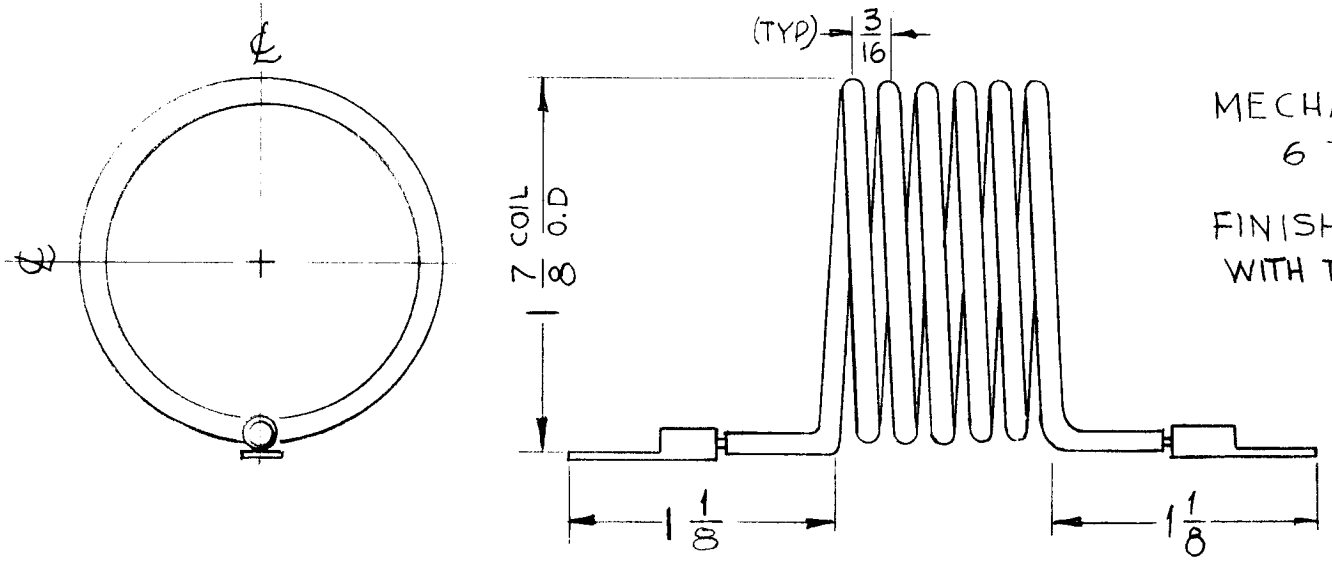
DRAWN	CHECKED	FINAL APPROVAL
G.D.L		

ELEC. DES. APP.	MECH. DES. APP.	
		CL-306

DEFIANCE NO. 1020 36645

TMC FORM NO. 106-A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE		
1	TER-5000-300U		3-26-63	CL-308	A



MECHANICAL SPECIFICATIONS
6 TURNS WOUND ON 1 1/2" D. FORM

FINISH : SILVER PLATE .0003 THK.
WITH TEFLON SLEEVING.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	TEFLON SLEEVING ADDED — PICTORIAL CLARIFIED.	9·26·63	9827	AK		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

SCALE 1A-3132

TOLERANCES
DECIMALS .X ±.05 .XX ±.01 .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30′

CODE

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			BUDETTI	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC. | FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, COMPENSATING

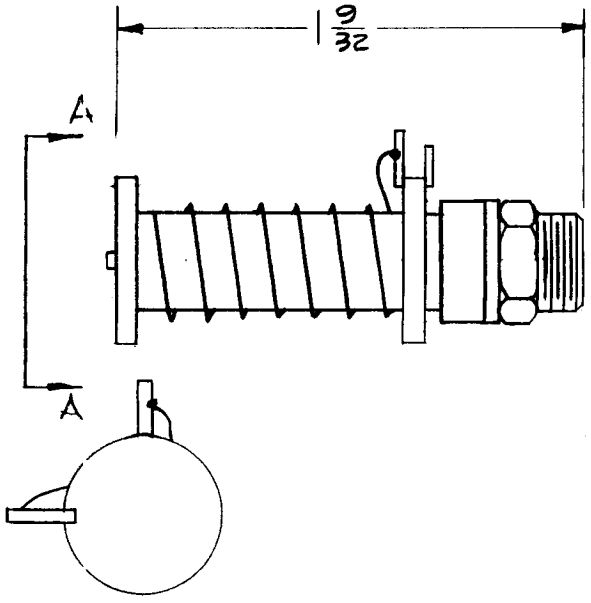
DRAWN	CHECKED	FINAL APPROVAL
G.D.L		

ELEC. DES. APP.	MECH. DES. APP.	
		CL-308 A

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. REPROVEL NO. 400H 2787

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL-309	C
1	HFS-1	AX-388	3-14-63		

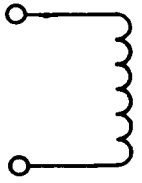
MODEL	REQ.	FUNCTION	OPER. FREQ (MC)	SYMBOL
HFS-1	1	PLATE LOAD	48-78	L3502



VIEW A-A (LEFT SIDE)

ELECTRICAL SPECIFICATIONS

* L = .17 μh ± .03 μh AT 25.2 MC
Q MIN = 160 AT 50 MC



* NOTE ~ "L" IS TO BE MEASURED WITH LEADS 3/8 LONG OR LESS.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
C	"*" & NOTE ADDED	12.20.66	17542	WHW		
B	TERM. COLLAR RELOC.	6.20.66	16419	WHW		
A	CHANGED ELEC. SPEC. 17uh ± .03 WAS .22uh ± .04	3-23-63	10035			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE 1A-3138

TOLERANCES
DECIMALS .X ±.05, .XX ± .01, .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

J. STRUMER

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

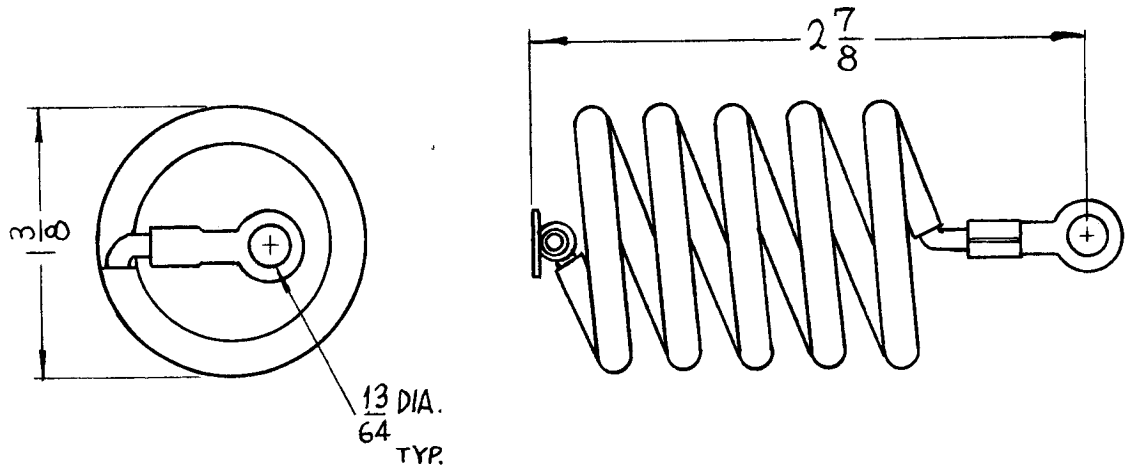
COIL, R.F.

DRAWN	CHECKED	FINAL APPROVAL
G. Strumer	JWB	BP

ELEC. DES. APP.	MECH. DES. APP.	CL-309	C
JWB	JWB		

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. REPROVEL NO. 400H 3787

REQ. PER UNIT	USED ON			CL 312
	MODEL	ASS'Y. NO.	DATE	
1	GPT-200K (AT-105)	A-2765	4-30-64	



SPECIFICATIONS

Q - 350 OR GREATER

L - .52 ±10% MICRO HENRIES

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
0	ORIGINAL RELEASE FOR PRODUCTION	5-28-64	0	A.M.		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES
DECIMALS .X ±.05, .XX ±.01, .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

SCALE 1" = 1"

CODE 1A-3466

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			F. BUDETTI	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

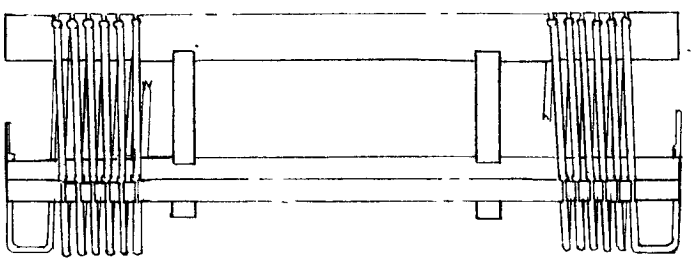
DRAWN	CHECKED	FINAL APPROVAL
SRG	a.a.	RDL
ELEC. DES. APP.	MECH. DES. APP.	CL 312

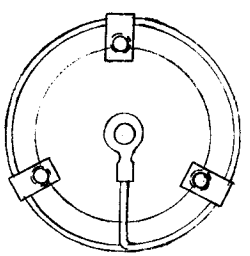
TMC FORM 108-A

REPROVEL NO. 440H 16106

REQ. PER UNIT	USED ON			CL-314	0
	MODEL	ASS'Y. NO.	DATE		
2	GPT-200K	A-3163	8-29-63		

INDUCTANCE - 40 μh
(FOR REF. ONLY)





SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
0	ORIGINAL RELEASE	5.16.64		JB		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

SCALE 1/2

CODE A-3261

TOLERANCES
DECIMALS .X ±.05 .XX ± .01 .XXX ± .005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			F. BUDETTI	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, R.F.

DRAWN	CHECKED	FINAL APPROVAL
SRG	aa	RJC
ELEC. DES. APP.	MECH. DES. APP.	CL-314 0

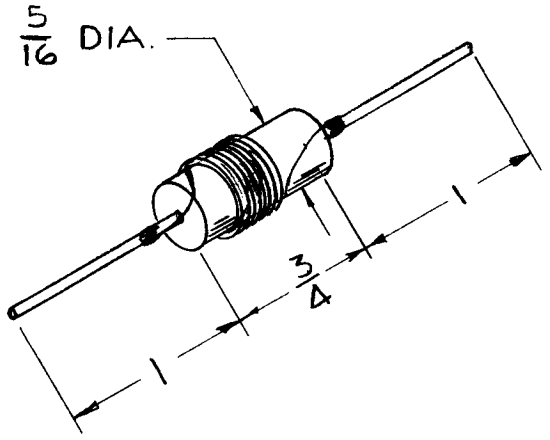
TMC FORM 108-A

STOCK NO. 440H

REQ. PER UNIT	USED ON MODEL	USED ON ASS'Y. NO.	USED ON DATE
			5-23-63

CL-315

PART NO.	TURNS	FREQ.	Q	INDUCTANCE	USED ON	REQ'D	SYMBOL
CL-315-1	27	7.95 MC	≧65	3.35 μHY ±10%	LFA-4	1	L3003
CL-315-2	22	7.95 MC	≧65	2.50 μHY ±10%	LFA-4	2	L3004 L3006



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES
DECIMALS .X ±.05, .XX ±.01, .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30′

SCALE: NONE

CODE: 1A-3166

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			POSE	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

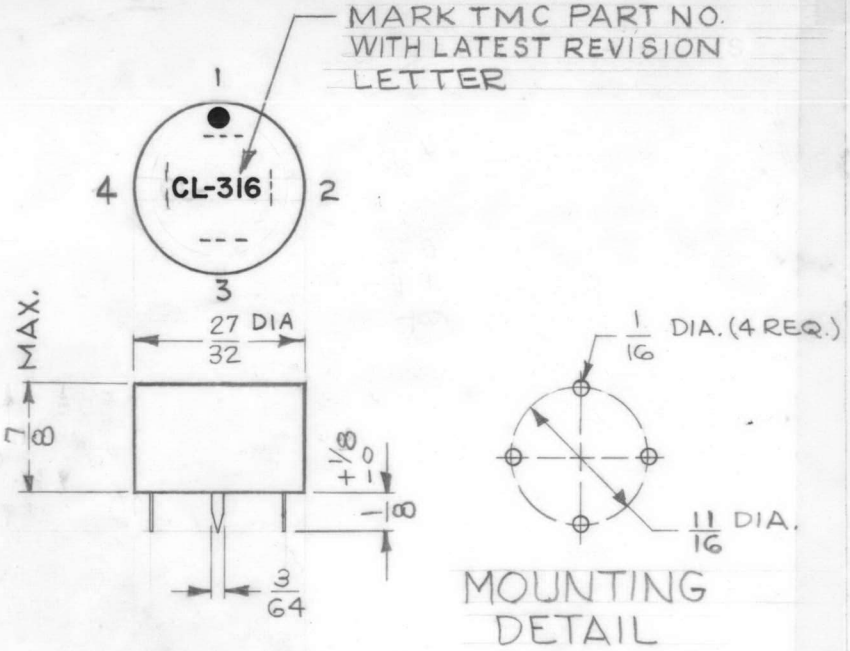
THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, FIXED

DRAWN	CHECKED	FINAL APPROVAL
T.R.	6/5/63	TFH 6·11·63

ELEC. DES. APP.	MECH. DES. APP.	
		CL-315

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL-316	O
1	VLR-1	A-3168	5-23-63		



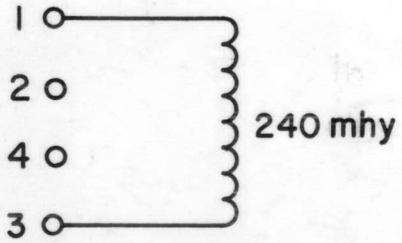
SPECIFICATIONS

WINDING DATA:
- TYPE = SELENOID
- NO. OF TURNS = 640

INDUCTANCE = 240 mh, ±10%
D.C. RESISTANCE = NOT RATED
CURRENT RATING = NOT RATED
COIL FORM DATA:
- MATERIAL = NYLON

CASE DATA:
- MATERIAL = POTTED PER TMC GL128-2
- FINISH = COLOR RED

TERMINAL DATA:
- QUANTITY = 4
- TYPE = STAKED LUG, P.C.



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
O	ORIGINAL RELEASE FOR PRODUCTION	6-1-64	O	A.M.	@	
X1	SPECS UPDATED AND DIMS.	12/19/63	1			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE: 2A-3355

CODE: A

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			M. GELLMAN	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

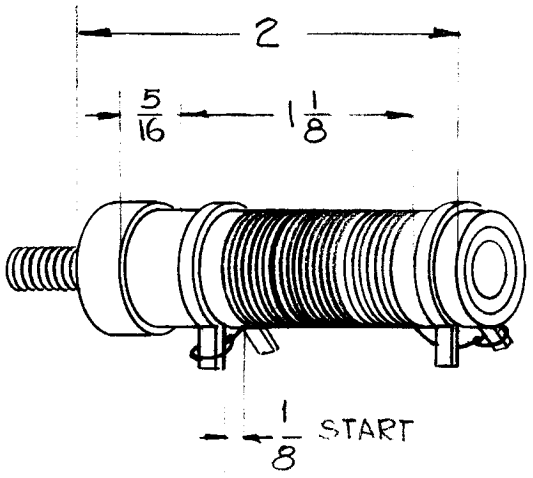
COIL, RF, FIXED

DRAWN	CHECKED	FINAL APPROVAL
G. Semen	@	RSC

ELEC. DES. APP.	MECH. DES. APP.	CL-316	O

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. REPROVEL NO. 400H 3787

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	
2	TTR-10	AX-418	5-25-63	CL-317



WINDING INFORMATION

1. 68 TURNS, CLOSEWOUND, SINGLE LAYER
2. HOLLOW COIL FORM, MATERIAL - PHENOLIC XXXP
3. CORE - POWDERED IRON

ELECTRICAL SPECIFICATIONS

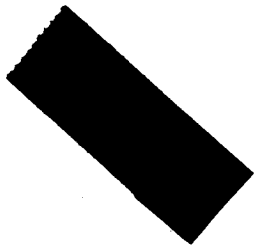
INDUCTANCE L = 180 uh (170-190 uh)

Q = 85 OR GREATER

FREQUENCY = 790 KC

D.C. RESISTANCE - NOT RATED

CURRENT RATING - NOT RATED



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

TOLERANCES
DECIMALS .X ±.05 .XX ± .01 .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE A

2A-3172

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			R. KOHN	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF FIXED

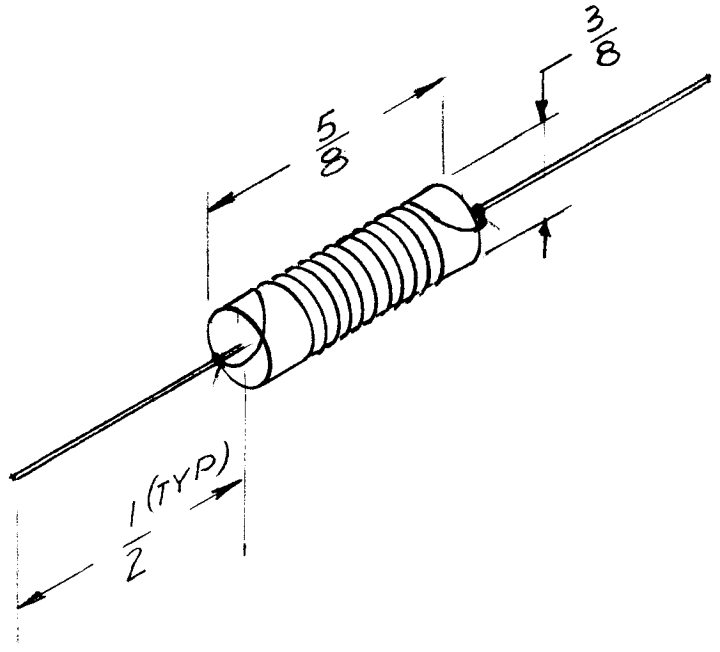
DRAWN	CHECKED	FINAL APPROVAL
G.D.L		BP

ELEC. DES. APP.	MECH. DES. APP.	
RON KOHN 6/14/63	W.A.P	CL-317

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. REPROVEL NO. 400H 3787

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
2	TTR-10	1 AX-418 1 A-3171	5-24-63

CL-318 A



WINDING INFORMATION

1. 12-1/2 TURNS, CLOSEWOUND, SINGLE LAYER
2. SOLID COIL FORM, G2 MATERIAL

ELECTRICAL SPECIFICATIONS

INDUCTANCE L = 2.55 uhy ±.1 uhy

MINIMUM Q = 80 AT TEST FREQUENCY OF 25 MC

D.C. RESISTANCE = .008 OHMS

CURRENT RATING = 3.5 AMPS AT 60 cps

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	DIM 3/8 WAS 3/16, MIN. Q WAS 95 INDUCTANCE L WAS 1.0 uhy	9.18.64	12411	WB	@	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE

CODE: A

1A-3173

REQ.	ITEM	PART NO.

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

KOHN DESCRIPTION E3037-44 SYMBOL

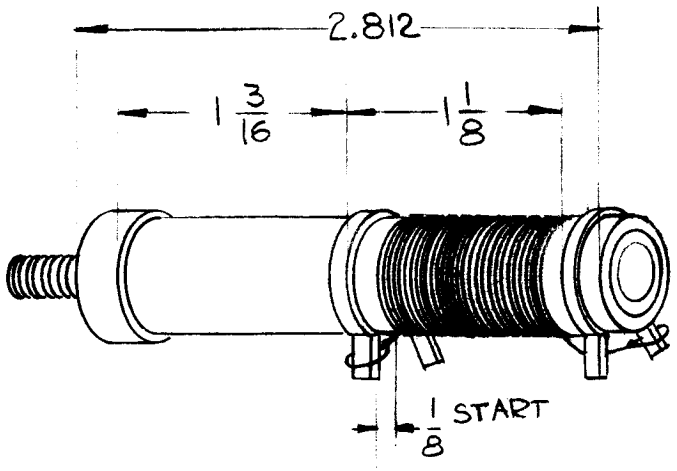
THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF FIXED

DRAWN	CHECKED	FINAL APPROVAL
G.D.L	5/23/63	
RONKOHN 6/4/63	—	CL-318 A

ELEC. DES. APP. | MECH. DES. APP.

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE		
1	TTR-10	AX-418	5-25-63	CL-319	A



WINDING INFORMATION

1. 66 TURNS, CLOSEWOUND, SINGLE LAYER
2. HOLLOW COIL FORM, MATERIAL - PHENOLIC
3. CORE - POWDERED IRON

ELECTRICAL SPECIFICATIONS

INDUCTANCE L = 180 uh (170-190 uh)

Q = 120 OR GREATER

FREQUENCY = 790 KC

D.C. RESISTANCE - NOT RATED

CURRENT RATING - NOT RATED

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	DIM 2.812 WAS 2.567	8.26.64	12228	WB	JCK	RdW

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE: NONE

CODE: A

2A-3174

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

R. KOHN

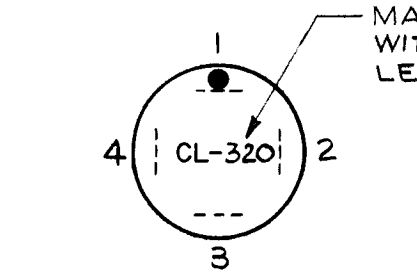
THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

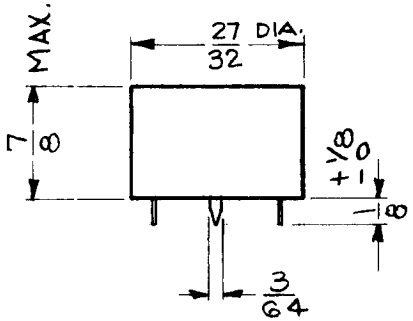
COIL, RF FIXED

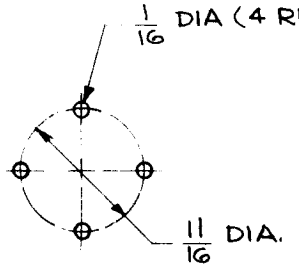
DRAWN	CHECKED	FINAL APPROVAL
G DL	6/14/63	BP

ELEC. DES. APP.	MECH. DES. APP.		
RON KOHN 6/14/63	WAP	CL-319	A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE		
1	VLR-1	A-3168	5-29-63	CL-320	O



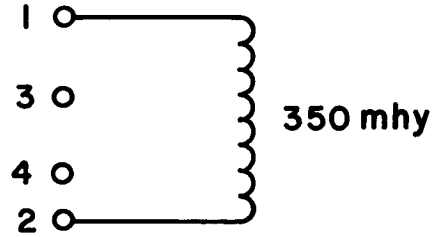




MOUNTING DETAIL

SPECIFICATIONS

WINDING DATA:
TYPE = SOLENOID
NO. OF TURNS = 660
INDUCTANCE = 350 mh ±10%
D. C. RESISTANCE = NOT RATED
CURRENT RATING = NOT RATED
COIL FORM DATA:
MATERIAL = NYLON
CASE DATA:
MATERIAL = POTTED PER TMC GL128-2
FINISH = COLOR RED
TERMINAL DATA:
QUANTITY = 4
TYPE = STAKED LUG, P.C.



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
O	ORIGINAL RELEASE FOR PRODUCTIONS	6-1-64	O	A.M.		
X1	COMPLETELY REVISED ELEC. SPEC NOTES; CODE WAS 2AC-176	12/11/63	1	J.L.		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE

CODE A

2A-3356

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			M. GELLMAN	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

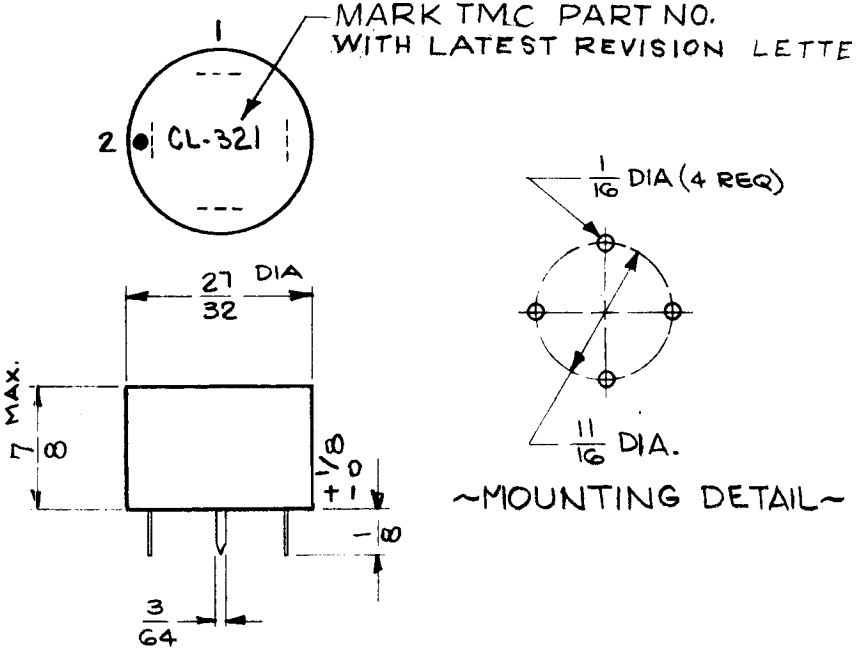
COIL, R.F., FIXED

DRAWN	CHECKED	FINAL APPROVAL
		CL-320 O

ELEC. DES. APP. | MECH. DES. APP.

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. REPROVEL NO. 400H 3787

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL-321	O
1	VLR-1	A-3212	6-19-63		



SPECIFICATIONS

WINDIND DATA:
- TYPE = SOLENOID
- NO. OF TURNS = 90

INDUCTANCE = 8 TO 12 mh (Q IS GREATER THAN 5)
D. C. RESISTANCE = 1 OHM
CURRENT RATING = NOT RATED
COIL FORM DATA:
- MATERIAL = NYLON

CASE DATA:
- MATERIAL = POTTED PER TMC GL128-5
- FINISH = COLOR GREEN

TERMINAL DATA:
- QUANTITY = 4
- TYPE = STAKED LUG, P.C.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
O	ORIGINAL RELEASE FOR PRODUCTION	5/14/64	O	A.M.	@	
X1	SPECS UPDATED; DIM. 7/8 WAS 5/8; ±Y WAS ±Y/16 -0	12/19/63	1		MP	

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE: DO NOT SCALE

DECIMALS .X ±.05 .XX ±.01 .XXX ±.005 — TOLERANCES — FRACTIONS ± 1/64 ANGLES ± 0° 30'

CODE: A — 2A-3357

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			M.GELLMAN	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, R.F., FIXED

DRAWN	CHECKED	FINAL APPROVAL
	@	

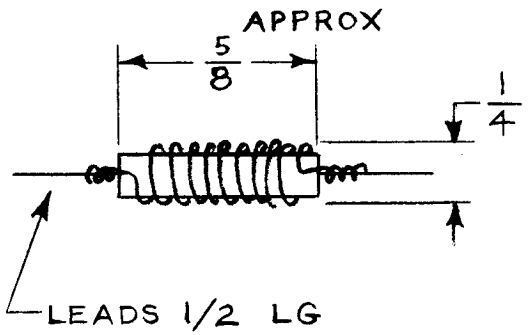
ELEC. DES. APP. | MECH. DES. APP.

CL-321 O

OGILVIE PRESS, INC., BROOKLYN 17, N. Y. REPROVEL NO. 400H 3787

SYMBOL	FUNCTION	OPER. FREQ.
L109	LOW PASS FILTER	2.52 MC

REQ. PER UNIT	USED ON			
	MODEL	ASS'Y. NO.	DATE	CL-322
1	GPR-92	A-2510	9/11/63	



SCHEMATIC

WINDING DATA
- TURNS - 47
- D C RESISTANCE - (NOT RATED)
- INDUCTANCE - 17 μh ± 20%
- CURRENT - (NOT RATED)

CORE DATA
- QUANTITY - 1
- MATERIAL - POWDERED IRON (FIXED)

TERMINAL
- AXIAL LEADS
- QUANTITY - 2

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES
DECIMALS
.X ± .05
.XX ± .01
.XXX ± .005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

SCALE NONE

CODE IA-3287

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

M. GELLMAN

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

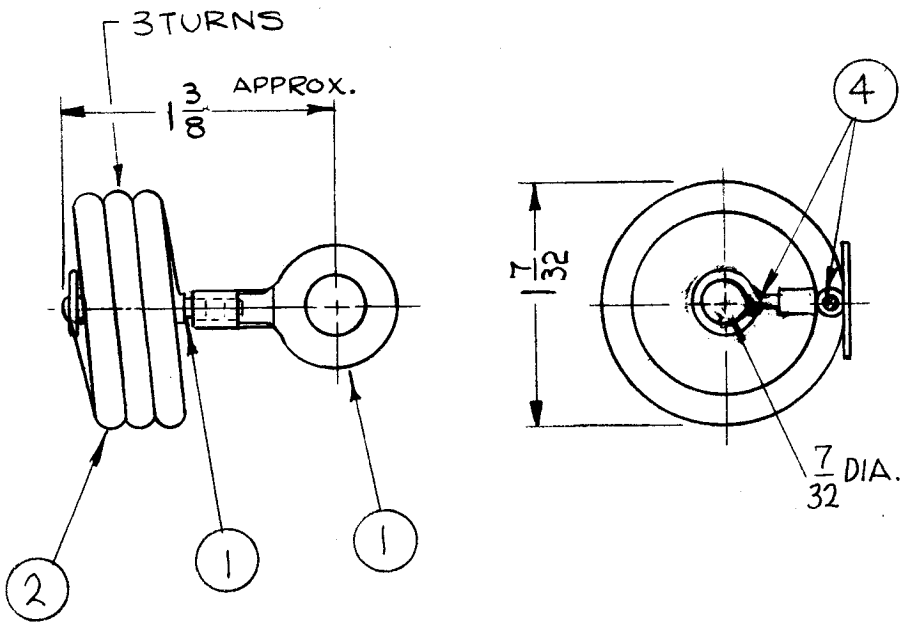
COIL, RF, FIXED

DRAWN	CHECKED	FINAL APPROVAL
N. Peters	10/4/63	
ELEC. DES. APP.	MECH. DES. APP.	CL-322

TMC FORM 108-A

STOCK NO. 440H

REQ. PER UNIT	USED ON				
	MODEL	ASS'Y. NO.	DATE	CL 325	B
	GPT-40K( )4	A-3469	3-10-64		



ELECTRICAL SPECIFICATIONS

L=.23 uH ±10%

Q= 175 OR GREATER AT 25 Mc

NOTES:

1. S245 SILVER PLATE ITEM 1
2. TO TEST COIL USE ITEM 1, SOLDERED TO CENTER LOOP.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	4	BS100	SOLDER, TIN ALLOY	
1	3	TE141-4	TERMINAL, LUG	
11	2	PX370-8-7	INSULATION SLEEVING, TEFLON	
11 3/4	1	WL100-1	WIRE, BUSS-BAR, TINNED	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	REVISED COMPLETELY	9/11/67	18475	EJ		FB
A	DUPLICATE DWG. OBSOLETED.	1-13-65	13189		@	
0	ORIGINAL RELEASE FOR PRODUCTION	5/11/64				

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE 1:1

CODE A

1A-3534

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, ELECTRICIAL

DRAWN	CHECKED	FINAL APPROVAL
G. Semeraro	aa	RC

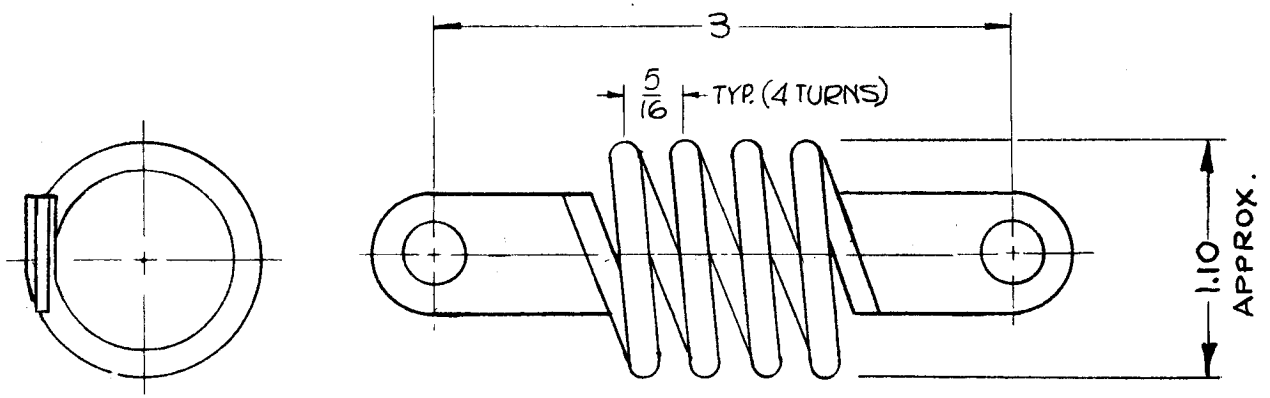
ELEC. DES. APP.	MECH. DES. APP.	
JB	LB	CL 325 B

F BUDETTI

TMC FORM-108-A

STOCK NO. 1015

REQ. PER UNIT	USED ON			CL-326	A
	MODEL	ASS'Y. NO.	DATE		
1	GPT-40K( )4		12-2-63		



SPECIFICATIONS:

IND. ~ .82 μh ± 10%

Q ~ 210 ± 10%

AT 25 MC

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	O.D. 1.10 APPROX. ADDED PICT. REVISED	9.16.64	12339	MB	@	
O	ORIGINAL RELEASE FOR PRODUCTION	3-3-64		A.M.		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE 1"=1"

TOLERANCES
DECIMALS .X ±.05 .XX ±.01 .XXX ±.005
FRACTIONS ± 1/64 ANGLES ± 0° 30'

CODE A

1A-3535

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			F. BUDETTI	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

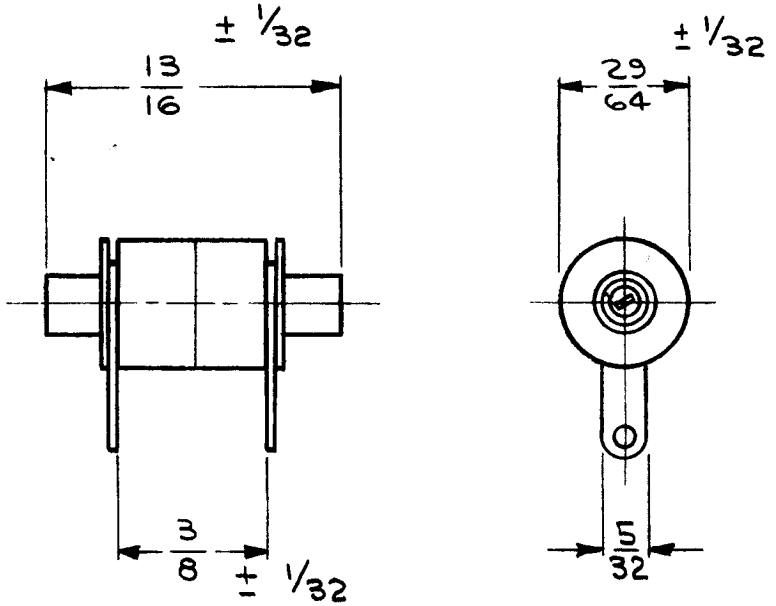
THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, ELECTRICAL

DRAWN	CHECKED	FINAL APPROVAL
SRG		
ELEC. DES. APP.	MECH. DES. APP.	CL-326 A

TMC FORM 108-A

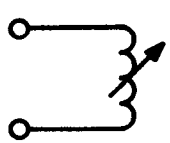
STOCK NO. 440H



REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL 327	Ø
—	LFS-1	A 3311	12-9-63		

COIL, R.F., TUNED

WINDING DATA:
TYPE = Pi
NO. OF TURNS = 68
INDUCTANCE = 14.2μh ±10%
D.C. RESISTANCE = 1.2-1.4
CURRENT RATING = NOT RATED
COIL FORM DATA:
MATERIAL = MYLAR
CORE DATA:
QUANTITY = 1
MATERIAL = FERRITE-ADJUSTABLE
CASE DATA:
MATERIAL = POWDERED IRON
FINISH = NONE
TERMINAL DATA:
QUANTITY = 2
TYPE = SOLDER LUG



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	7-27-64	Ø	G.D.L		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE DO NOT SCALE

DECIMALS .X ±.05 .XX ± .01 .XXX ±.005 TOLERANCES FRACTIONS ± 1/64 ANGLES ± 0° 30'

CODE A

4A 3358

REQ.	ITEM	PART NO.	GELLMAN DESCRIPTION	SYMBOL

STOCK SIZE: SEE SPECS

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, R.F., TUNED

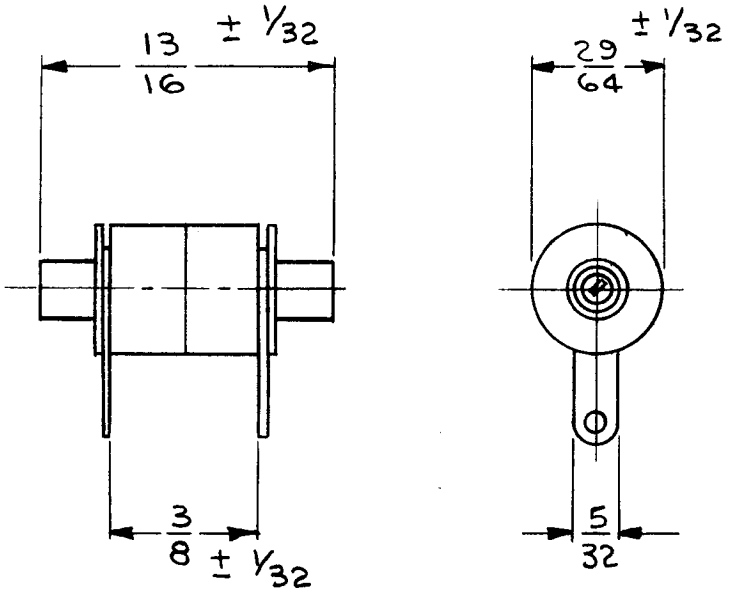
DRAWN	CHECKED	FINAL APPROVAL
G. Lucas	@	Ray

ELEC. DES. APP. | MECH. DES. APP.

CL 327 Ø

TMC FORM 108-A

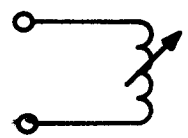
STOCK NO. 440H



REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL 328	Ø
4	LFS-1	A 3309	12-9-6[illegible]		

COIL, R.F., TUNED

WINDING DATA:
    TYPE = Pi
    NO. OF TURNS = 170
INDUCTANCE = .158 mh ±3%
D.C.RESISTANCE =6.0-6.2
CURRENT RATING = NOT RATED
COIL FORM DATA:
    MATERIAL = MYLAR
CORE DATA:
    QUANTITY = 1
    MATERIAL = FERRITE-ADJUSTABLE
CASE DATA:
    MATERIAL = POWDERED IRON
    FINISH = NONE
TERMINAL DATA:
    QUANTITY = 2
    TYPE = SOLDER LUG



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	7-27-64	Ø	G.D.L		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

DECIMALS .X ±.05 .XX ± .01 .XXX ±.005 — TOLERANCES — FRACTIONS ± 1/64 ANGLES ± 0° 30'

SCALE DO NOT SCALE

CODE Δ | 4A 3359

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
4				

STOCK SIZE: SEE SPECS

MATERIAL: — | TYPE & TEMPER: — | HEAT TREAT. SPEC.: —

FINISH & SPEC. NO.: —

GELLMAN

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, R.F., TUNED

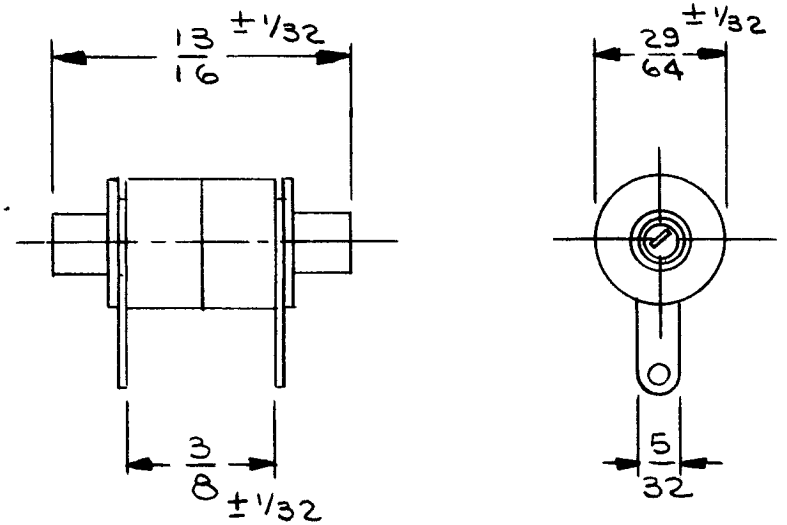
DRAWN	CHECKED	FINAL APPROVAL
G. Gellman	@	RAL

ELEC. DES. APP.	MECH. DES. APP.	CL 328	Ø
	G.L.B.		

TMC FORM 108-A

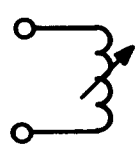
STOCK NO. 440H

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL 329 Ø
—	LFS-1	A 3309		



COIL, R.F., TUNED

WINDING DATA:
TYPE = P1
NO. OF TURNS = 920
INDUCTANCE = 3.3 mh ±3%
D.C. RESISTANCE = 58-61
CURRENT RATING = NOT RATED
COIL FORM DATA:
MATERIAL = MYLAR
CORE DATA:
QUANTITY = 1
MATERIAL = FERRITE-ADJUSTABLE
CASE DATA:
MATERIAL = POWDERED IRON
FINISH = NONE
TERMINAL DATA:
QUANTITY = 2
TYPE = SOLDER LUG



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	7-27-64	Ø	G.D.L		

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			M. GELLMAN	

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, R.F., TUNED

STOCK SIZE	MATERIAL			
SEE SPECS	—	—		
	TYPE & TEMPER	HEAT TREAT. SPEC.	FINISH & SPEC. NO.	

DRAWN	CHECKED	FINAL APPROVAL
J. LESHINSKI	@	
ELEC. DES. APP.	MECH. DES. APP.	CL 329 Ø

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES
DECIMALS .X ±.05 .XX ± .01 .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

SCALE NONE

CODE A

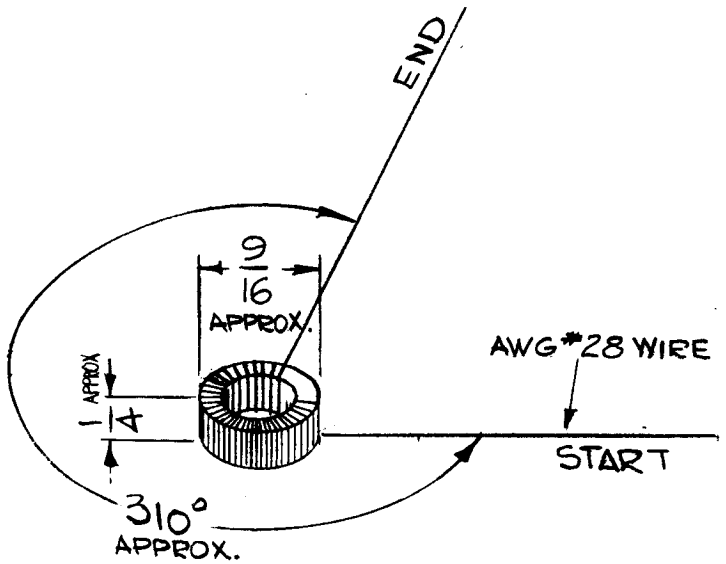
4A 3360

TMC FORM 108-A

STOCK NO. 440H

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
1	HFR-1A		2-24-64
1	HFR-2		

CL 330 A



MODEL	REQ.	FUNCTION	FREQ. (MC)	SYMBOL
HFR-1A	1	BAND 1 OSC.	3.75-4.75	L1012
HFR-2	1	BAND 1 OSC.	3.75-4.75	L1012

~ELECTRICAL SPECIFICATIONS~

L = 11.0 μh ± 0.2 μh.

Q = 190 MIN @ 4.25 MC

C DIST. = 0.7 μμf (FOR REF.)

START

52T

BOTH LEADS 2" LONG

~SCHEMATIC~

NOTE:
USE TMC COIL STD. FOR ELECT. TEST. REF.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	"Q" WAS 200. ADDED NOTE	1-6-67	17616	GHO		
Ø	ORIGINAL RELEASE FOR PRODUCTION	8-13-64	Ø			
X	EXPERIMENTAL RELEASE	3/25/64				

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: NONE | 1A3491

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			ANGER	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

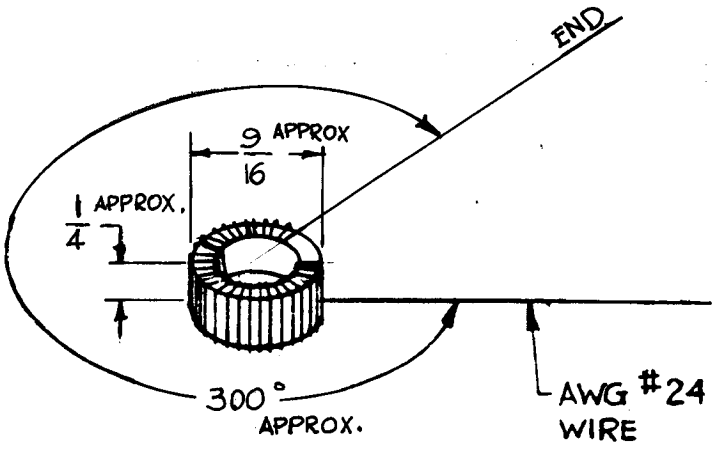
COIL, RF, TOROID
BAND #1 OSC.

DRAWN	CHECKED	FINAL APPROVAL
G.D.L	@	
		CL 330 A

ELEC. DES. APP. | MECH. DES. APP.

REQ. PER UNIT	USED ON MODEL	ASS'Y. N.	DATE
1	HFR-1A		2-25-64
1	HFR-2		

CL 331 A



BOTH LEADS 2" LONG

MODEL	REQ.	FUNCTION	FREQ.(MC)	SYMBOL
HFR-1A	1	BAND#2, OSC	4.75-5.75	L-1022
HFR-2	1	BAND#2, OSC	4.75-5.75	L-1022

— ELECTRICAL SPECIFICATIONS —

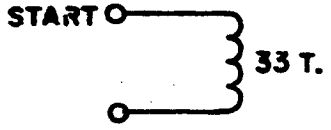
L = 4.7 μh ± 0.15 μh

Q = 210 MIN @ 5.25 MC

C dist = 0.7 μμf. (FOR REF. ONLY)

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

SCHEMATIC



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	NOTE ADDED	1-12-67	17575	RME	G.D.L	
Ø	ORIGINAL RELEASE FOR PRODUCTION	9-13-64	Ø			
X	EXPERIMENTAL RELEASE	3/25/64				

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: NONE | IA 3493

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, TOROID

BAND 2 - OSC

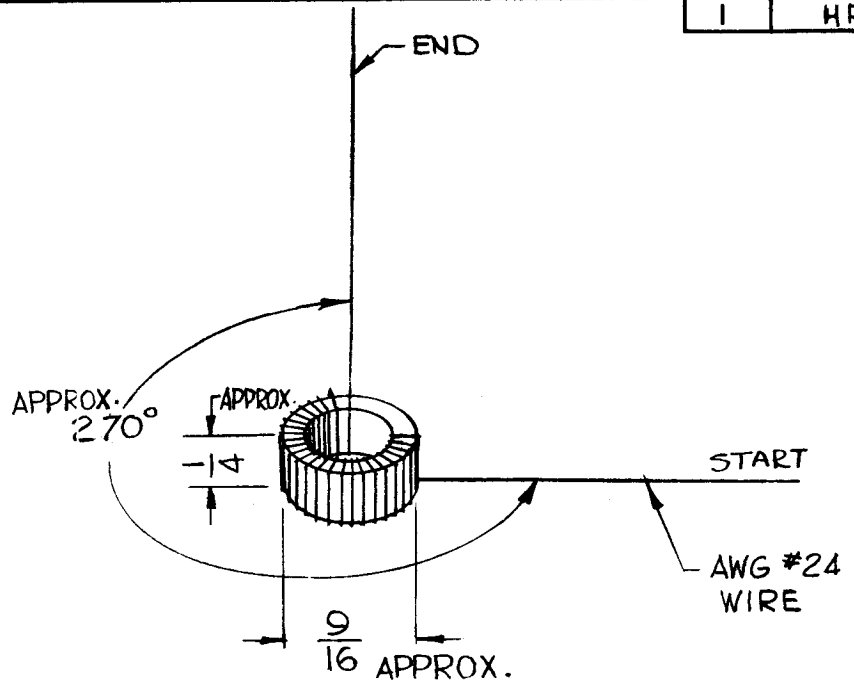
DRAWN	CHECKED	FINAL APPROVAL
G.D.L	@	RJC

ELEC. DES. APP. | MECH. DES. APP.

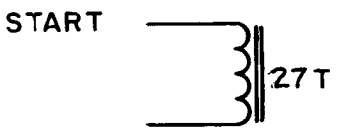
CL 331 A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
1	HFR-1A		2-24-64
1	HFR-2		

CL 332 A



BOTH LEADS 2" LONG



SCHEMATIC

MODEL	REQ.	FUNCTION	FREQ.(MC)	SYMBOL
HFR-1A	1	BAND # 3 OSC.	5.75-7.75	L 1027
HFR-2	1	BAND # 3 OSC.	5.75-7.75	L 1027

— ELECTRICAL SPECIFICATIONS —

L = 3.16 μh ± 0.1 μh
Q = 185 MIN. AT 6.75 MC.
C dist = 0.7 μμf. (REF ONLY)

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	NOTE ADDED	1-12-67	17575	RME		
Ø	ORIGINAL RELEASE FOR PRODUCTION	8-13-64	Ø			
X	EXPERIMENTAL RELEASE	3/26/64				

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: NONE | IA 3495

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			ANGER	

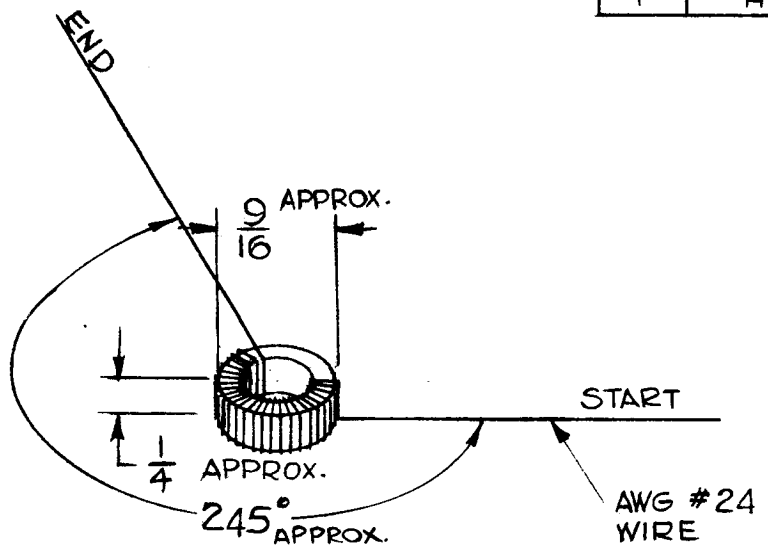
THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, TOROID
BAND # 3 OSC.

STOCK SIZE	MATERIAL			
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
		G.D.L	@	RDT
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.	CL 332 A
		J Anger		

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
1	HFR-1A		2-24-64
1	HFR-2		

CL 333 A



BOTH LEADS 2" LONG

MODEL	REQ.	FUNCTION	FREQ (MC)	SYMBOL
HFR-1A	1	BAND#4 OSC.	7.75 - 9.75	L-1032
HFR-2	1	BAND#4 OSC.	7.75 - 9.75	L-1032

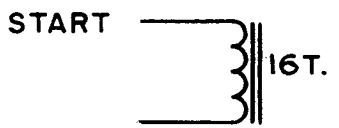
— ELECTRICAL SPECIFICATIONS —

L = 1.13 μh ± 0.1

Q = 185 MIN AT 8.75MC.

Cdist = 0.3 μμf. (REF ONLY)

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.



SCHEMATIC

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	NOTE ADDED	1-12-67	17575	RME	G.DL	
Ø	ORIGINAL RELEASE FOR PRODUCTION	8-13-64	Ø			
X	EXPERIMENTAL RELEASE	3-26-64				

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .0 5 ANGLES ± 1/2°

SCALE: NONE | 1A 3497

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			ANGER	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

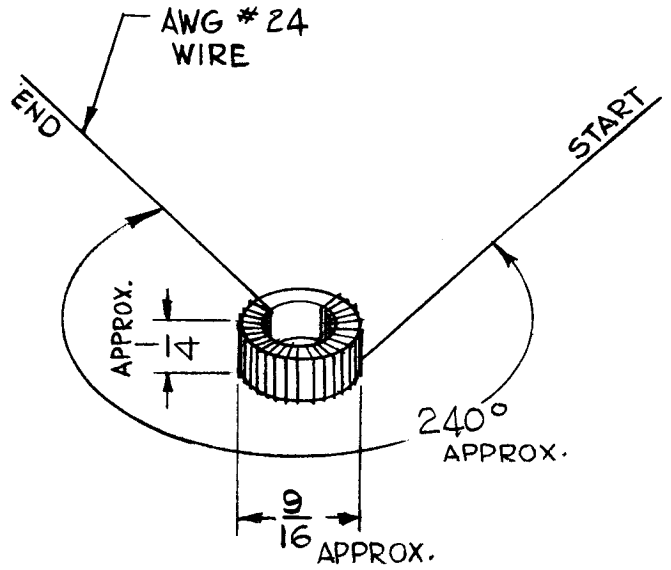
COIL, RF, TOROID
BAND#4 OSC.

DRAWN	CHECKED	FINAL APPROVAL
G.D.L	@	RDL

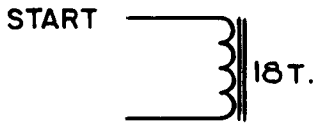
ELEC. DES. APP.	MECH. DES. APP.	
Anger		CL 333 A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
1	HFR-1A		2-25-64
1	HFR-2		

CL 334 A



BOTH LEADS 2" LONG



SCHEMATIC

MODEL	REQ.	FUNCTION	FREQ.(MC)	SYMBOL
HFR-1A	1	BAND#5 OSC.	9.75-13.75	L1037
HFR-2	1	BAND#5 OSC.	9.75-13.75	L1037

— ELECTRICAL SPECIFICATIONS —

L = 1.44 μh ± 0.1 μh

Q = 210 MIN. @ 11.75 MC.

Cdist = 0.4 μμf (REF ONLY)

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	NOTE ADDED	1-12-67	17575	RME	G.D.L	
Ø	ORIGINAL RELEASE FOR PRODUCTION	8-13-64	Ø			
X	EXPERIMENTAL RELEASE	3-26-64		Ded		

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: NONE | IA 3499

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		—	ANGER	

STOCK SIZE: —

MATERIAL: —

TYPE & TEMPER: — | HEAT TREAT. SPEC.: —

FINISH & SPEC. NO.: —

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF TOROID
BAND#5 OSC.

DRAWN	CHECKED	FINAL APPROVAL
G.D.L	Ø	RJL

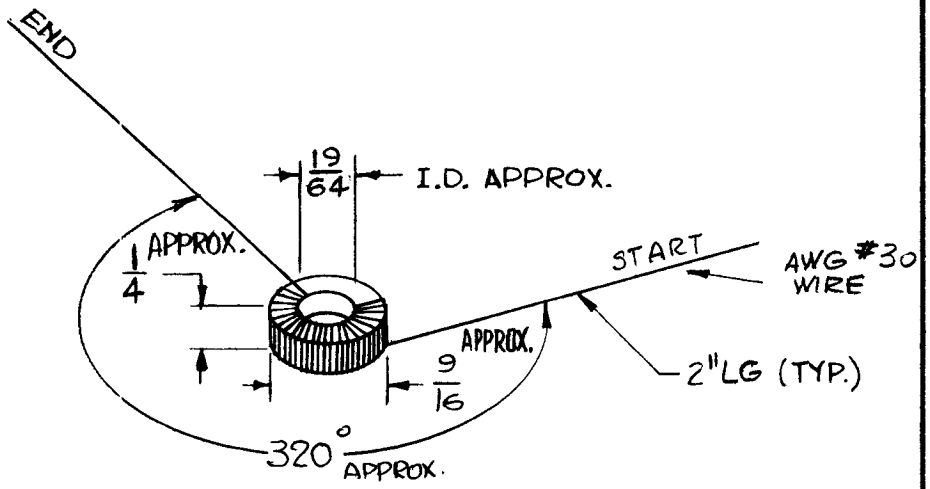
ELEC. DES. APP.	MECH. DES. APP.	
Janger		CL 334 A

TMC FORM NO. 108-A

DEFIANCE NO. 1020 } 96845

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
3	HFR-1A		3-6-64
3	HFR-2		3-6-64

CL 335 A



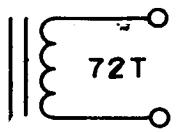
MODEL	REQ	FUNCTION	FREQ (MC)	SYMBOL
HFR-1A	3	BAND #1 RF STAGE-2-3-4	2 - 3 MC	L1004,6,8
HFR-2	3	BAND #1 RF STAGE-2-3-4	2 - 3 MC	L1004,6,8

ELECTRICAL SPECIFICATIONS

L = 21.15 μh ± 0.55 μh
Q = 160 MIN. AT 2.5 MC.
Cdist. = 1.0 μμf. (FOR REF. ONLY)

* NOTE: USE TMC COIL STANDARDS FOR TEST REFERENCE.

SCHEMATIC



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	NOTE ADDED	1-16-67	17575	RME	G.D.L.	
Ø	ORIGINAL RELEASE FOR PRODUCTION	2.13.64	Ø			
X	EXPERIMENTAL RELEASE	3-26-64				

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/64 DEC. ± .005 ANGLES ± 1/2°

SCALE: NONE | IA 3518

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			ANGER	

STOCK SIZE: —

MATERIAL: —

TYPE & TEMPER: — | HEAT TREAT. SPEC.: —

FINISH & SPEC. NO.: —

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, TOROID
BAND #1 - 2, 3, 4 RF.

DRAWN	CHECKED	FINAL APPROVAL
G.D.L	Ø	

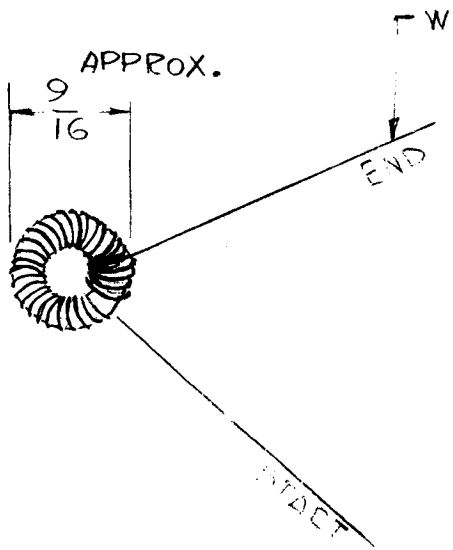
ELEC. DES. APP. | MECH. DES. APP.

CL 335 A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
3	HFR-1A		3-6-64
3	HFR-2		3-6-64

CL 336 Ø

MODEL	REQ	FUNCTION	FREQ.(MC)	SYMBOL
HFR-1A	3	BAND #2-2,3,4 RF	3-4	L1016, L1020 L1018
HFR-2	3	BAND #2-2,3,4 RF	3-4	L1016, L1020 L1018



BOTH LEADS 2" LONG

START — 47 T.

— SCHEMATIC —

— ELECTRICAL SPECIFICATIONS —

L = 8.0 μh ± 0.2 μh
Q = 200 MIN. AT 3.5 MC.
Cdist = 1.0 mmf. (FOR REF. ONLY)

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	8-13-64	Ø			
X1	'47 T" WAS 44 T	6-29-64				
X	EXPERIMENTAL RELEASE	3-26-64				

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES ON
FRAC. ± 1/6 DEC. ± .005 ANGLES ± 1/2°

SCALE: NONE | 1A3521

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			ANGER	

STOCK SIZE: —

MATERIAL: —

TYPE & TEMPER: — | HEAT TREAT. SPEC.: —

FINISH & SPEC. NO.: —

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

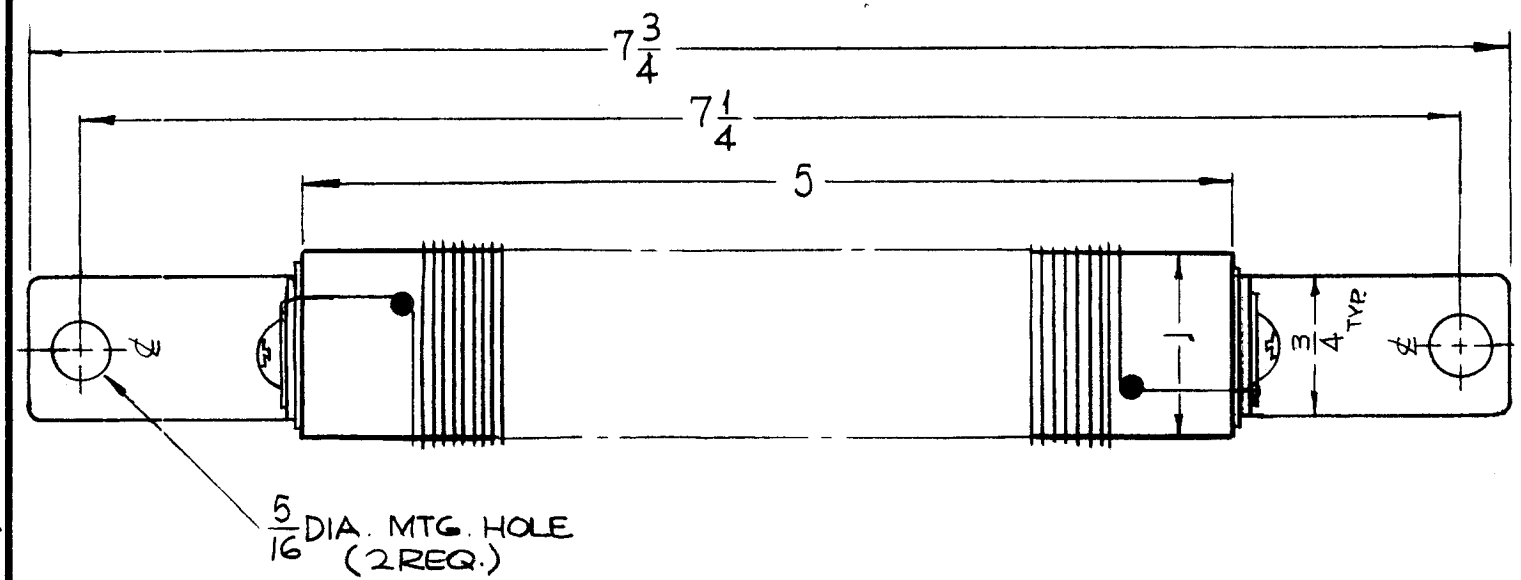
COIL, RF, TOROID
BAND 2, 2, 3, 4 RF

DRAWN	CHECKED	FINAL APPROVAL
G.D.L	@	RJC

ELEC. DES. APP.	MECH. DES. APP.
Anger	

CL 336 Ø

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL-338	0
2	GPT-200K AX-395	A-3258	4-21-64		



ELECTRICAL SPECS:

L ~ 35 Uhy

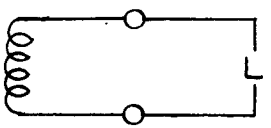
Q ~ GREATER THAN 180

F ~ 2.5 mc.

MECHANICAL SPECS:

CERAMIC COIL FORM

73 TURNS NO. 17 CEROC. WIRE.



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
0	ORIG. RELEASE FOR PROD.	5-5-64		SRG		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ± .01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE 1" = 1"

CODE 2A-3465-1

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			F. BUDETTI	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC. | FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

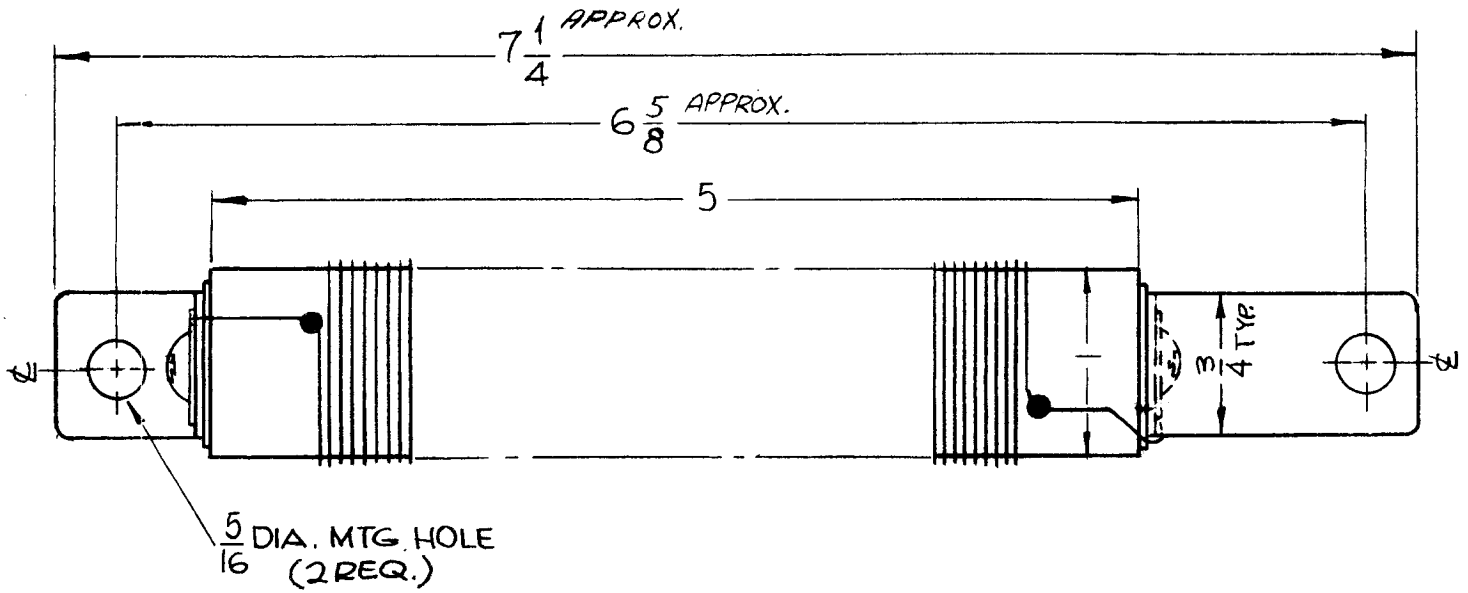
COIL R.F. FIXED

DRAWN	CHECKED	FINAL APPROVAL
SRG	aa	RC

ELEC. DES. APP. | MECH. DES. APP.

CL-338 | 0

REQ. PER UNIT	USED ON			CL-339	A
	MODEL	ASS'Y. NO.	DATE		
4	GPT-200K AX-395	A-3258	4-21-64		



ELECTRICAL SPECS:

L ~ 35 uhy

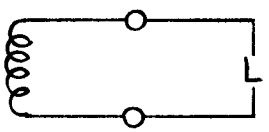
Q ~ GREATER THAN 180

F ~ 2.5 mc.

MECHANICAL SPECS:

CERAMIC COIL FORM

73 TURNS NO. 17 CEROC. WIRE.



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	6 5/8 WAS 6 1/2, ADD APPROX TO 7 1/4	3-6-67	17919	L A K.		
0	ORIG. RELEASE FOR PROD.	5-5-64		SRG		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE 1"=1"

TOLERANCES
DECIMALS .X ±.05, .XX ± .01, .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE 2A-3465-2

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			F. BUDETTI	

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

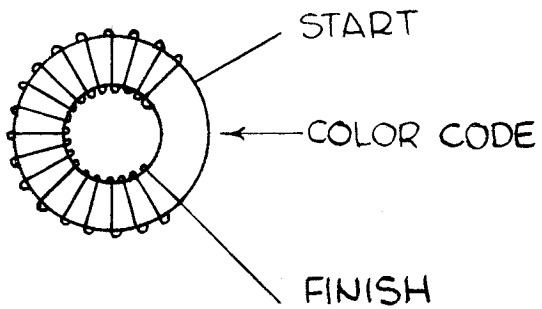
COIL R.F. FIXED

DRAWN	CHECKED	FINAL APPROVAL
SRG		
ELEC. DES. APP.	MECH. DES. APP.	CL-339 A

TMC FORM 108-A

REPROVEL NO. 440H 16106

REQ. PER UNIT	USED ON			CL342	Ø
	MODEL	ASS'Y. NO.	DATE		
	FX208				



Primary Inductance: 15

Test Freq. Inductance: 2.5MC

Ind. Tol: 2%

Q Min. Unloaded: 150

Q Test Freq: 2.5MC

Color Code: Blue & Brown

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE	1/28/66	Ø			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

DECIMALS .X ±.05 .XX ±.01 .XXX ±.005 — TOLERANCES — FRACTIONS ± 1/64 ANGLES ± 0° 30′

CODE 8 A3223-35

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, TOROID

DRAWN	CHECKED	FINAL APPROVAL
J.D	1/27/66	

ELEC. DES. APP.	MECH. DES. APP.	
M/L 3/1/66		CL342 Ø

TMC FORM 108-A

REPROVEL NO. 440H 21540

REQ. PER UNIT	USED ON			CL343	Ø
	MODEL	ASS'Y. NO.	DATE		
	FX208				

Primary Inductance: 22

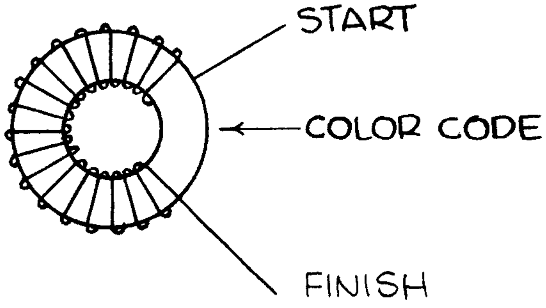
Test Freq. Inductance: 2.5MC

Ind. Tol: 5%

Q Min Unloaded: 150

Q Test Freq: 2.5MC

Color Code: Blue, Red



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE	1/28/66	Ø			JD

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ±1/64; ANGLES ±0° 30'

SCALE:

CODE: 8A3223-36

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, TOROID

DRAWN	CHECKED	FINAL APPROVAL
JD	[signature] 1/27/66	[signature]

ELEC. DES. APP.	MECH. DES. APP.	CL343	Ø

TMC FORM 108-A

M/L 8/31

REPROVEL NO. 440H 21540

REQ. PER UNIT	USED ON			CL344	Ø
	MODEL	ASS'Y. NO.	DATE		
	FX208				

Primary Inductance: 27

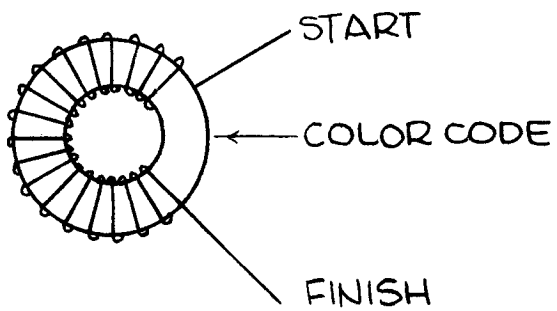
Test Freq. Inductance: 2.5MC

Ind. Tol: 5%

Q Min. Unloaded: 150

Q Test Freq: 2.5MC

Color Code: Blue, Orange



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE	1/28/66	Ø			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

DECIMALS
.X ± .05
.XX ± .01
.XXX ± .005

TOLERANCES

FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE 8A3223-37

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, TOROID

DRAWN	CHECKED	FINAL APPROVAL
	1/27/66	

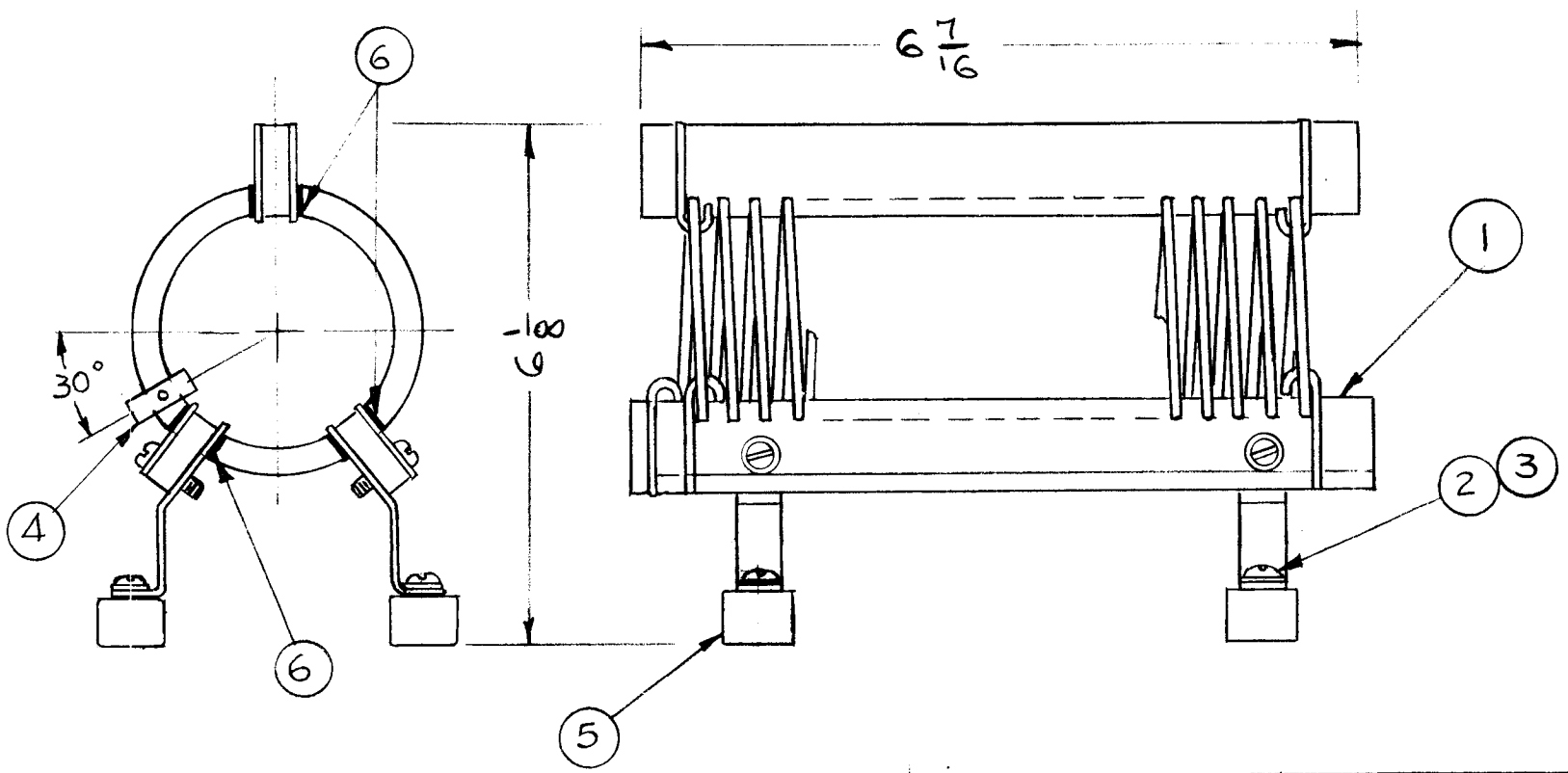
ELEC. DES. APP.	MECH. DES. APP.	CL344	Ø
	3/1/66		

TMC FORM 108-A

REPROVEL NO. 440H

21540

REQ. PER UNIT	USED ON			CL-345	Ø
	MODEL	ASS'Y. NO.	DATE		
1	TU-2		9-4-64		



ELECTRICAL SPECS
INDUCTANCE: 41 μh
AMPS: 5

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	6	BS100	SOLDER, SOFT	
4	5	NS3W03-6	INSULATOR, PILLAR, ROUND	
2	4	PM272	COIL, LUGS	
4	3	LWE08MRN	WASHER, LOCK, EXT.	
4	2	SCBP0832BN5	SCREW, MACHINE	
1	1	CL118-41-1	COIL, FIXED - 41μh	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	9/15/64	—			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES
DECIMALS .X ±.05, .XX ±.01, .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

SCALE: NOT SCALE

CODE: A

STOCK SIZE: #

MATERIAL: #

TYPE & TEMPER: + | HEAT TREAT. SPEC.: +

FINISH & SPEC. NO.: #

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

DRAWN	CHECKED	FINAL APPROVAL
G.D.L	@ 9-10-64	RTL

ELEC. DES. APP.	MECH. DES. APP.	
	9/10/64	CL-345 Ø

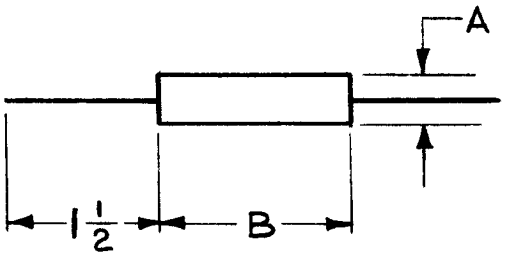
TMC FORM 108-A

REPROVEL NO. 440H 16106

STANDARD DRAWING

REQ. PER UNIT	USED ON MODEL	USED ON ASS'Y. NO.	USED ON DATE	CL349	Ø
			12.17.1964		

TMC P/N	MFG P/N	"A" DIA.	"B" LENGTH	TINNED LEADS	TYPICAL A.C. RESIST. IN OHMS 10mc	100mc	300mc	TYPICAL IMPEDANCE IN OHMS 10mc	100mc	300mc
CL349-1	R45-3	.200	19/32	AWG-20	75	93	96	49	86	86



CASE MATERIAL:
BLACK EPOXY

SEE ALSO CI120

STANDARD DRAWING

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE	12.22.64	Ø	JTB		
X	EXPER. RELEASE	12.17.64	X	JTB		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE: NONE

DECIMALS .X ± .05, .XX ± .01, .XXX ± .005
TOLERANCES
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE: C

S401-358

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, FIXED
(FERRITE BEAD)

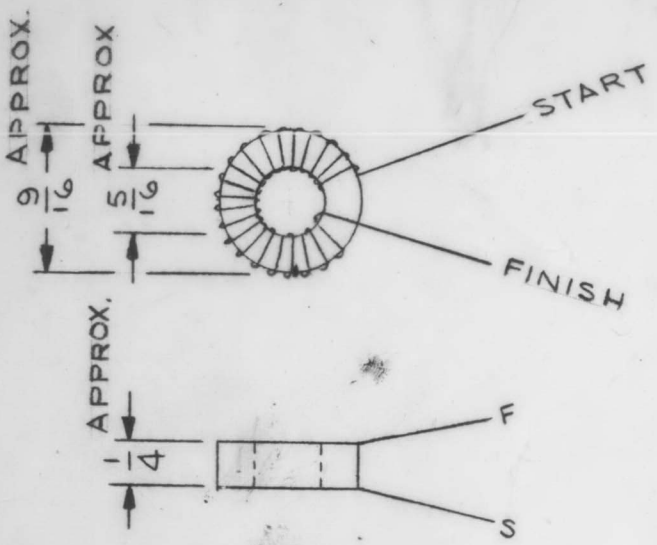
DRAWN	CHECKED	FINAL APPROVAL
JTB @ 12-21-64	RDC	CL349 Ø

ELEC. DES. APP. | MECH. DES. APP.

TMC FORM 108-A

REPROVEL NO. 440H 21540

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL350	Ø

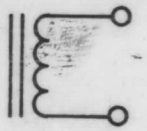


MODEL	REQ'D	FUNCTION	FREQ. (KC)	SYM
FX211	2	LOW PASS FILTER	30-600	L2 & 3

- ELECTRICAL SPECIFICATION -

INDUCTANCE @ 790 KC 360µh ± 5%
"Q" @ 795KC- 155
UNIVERSAL WINDING
CORE: POWDERED IRON

SCHEMATIC



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIG. RELEASE FOR PRODUCTION	4.19.65	Ø	JL.		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

DECIMALS .X ±.05 .XX ± .01 .XXX ±.005 TOLERANCES FRACTIONS ± 1/64 ANGLES ± 0° 30'

CODE . 8A-3223-38

REQ.	ITEM	PART NO.	POSE	DESCRIPTION	SYMBOL

STOCK SIZE

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, TOROID

MATERIAL

TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKED	FINAL APPROVAL
		J.L. 4/19/65		

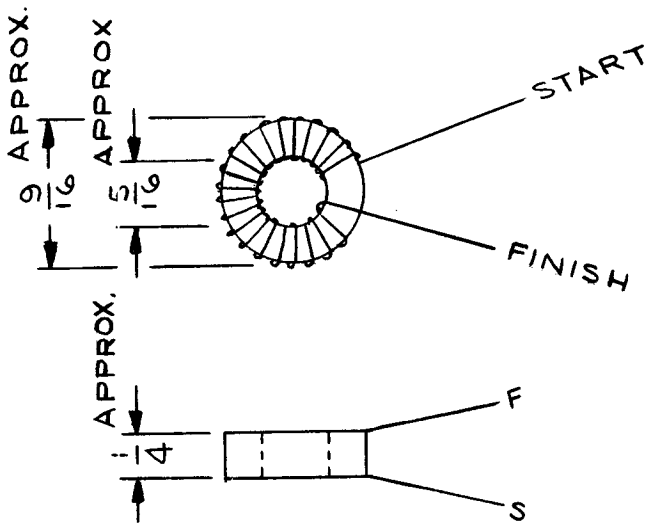
FINISH & SPEC. NO.

ELEC. DES. APP.	MECH. DES. APP.	CL350	Ø

TMC FORM 108-A

REPROVEL NO. 440H 23643

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL351	Ø

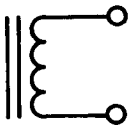


MODEL	REQ'D	FUNCTION	FREQ. (KC)	SYM
FX211	2	LOW PASS FILTER	30-600	L1 & 2

-ELECTRICAL SPECIFICATION-

INDUCTANCE @ 2.52 MC: 89 μh ±5%
"Q" @ 2.52MC- 150
UNIVERSAL WINDING
CORE: POWDERED IRON

SCHEMATIC



SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-19-65	Ø	RL		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ± .01, .XXX ± .005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE

CODE 8A-3223-39

REQ.	ITEM	PART NO.	POS'N	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, TOROID

DRAWN: J.L. 4/19/65 | CHECKED | FINAL APPROVAL: 5/4/65

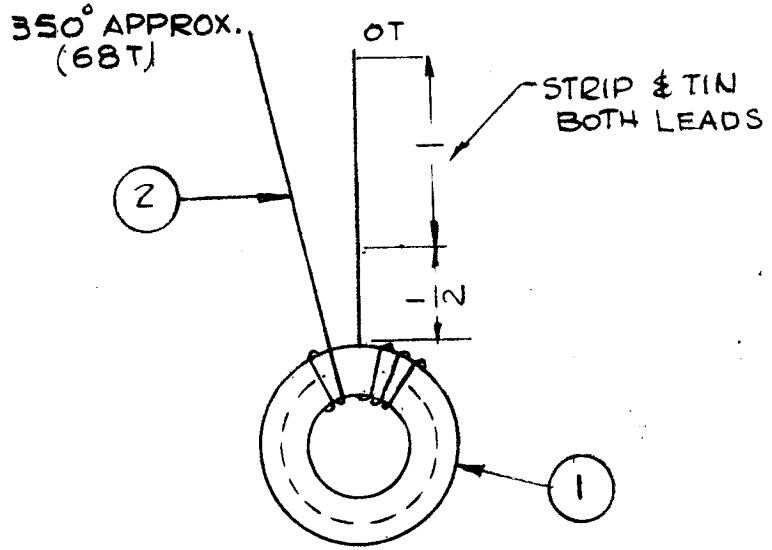
ELEC. DES. APP. | MECH. DES. APP.

CL351 Ø

REPROVEL NO. 440H 23845

TMC FORM 108-A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL359	Ø
1	CHG-3	AX548	2-12-65		



— PROCEDURE —

1- WIND APPROX. 68 TURNS IN THE DIRECTION SHOWN EQUALLY SPACED OVER ANGLE SHOWN

2- ADD OR SUBTRACT TURNS AS NEEDED TO MEET INDUCTANCE.

3- STAKE LEADS SECURELY WITH Q-MAX

4- BAKE FOR 1/2 HR. AT 215° F. TO REMOVE MOISTURE.

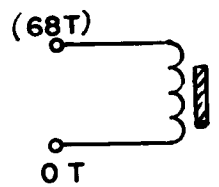
5- COAT COIL & CORE W/Q-MAX & BAKE 1/2HR AT 215° F.

— ELEC. SPECIFICATION —

$L = 20.4\ \mu h \pm 0.5\ \mu h$

$Q = 170 \pm 20$ AT 2.5 MC

$C_{DIST} = 1.0 \pm 0.5$ MMF



SCHEMATIC

(SYMBOL L1006)

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	3	GL102	Q-MAX	
X	2	WI-141-30-9	WIRE, ELEC. MAG.	
1	1	CI 127-1	CORE, TOROID	

J ANGER

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	4-8-65	Ø	JL		
X1	COMPLETELY REVISED	3-15-65		G.D.L		
X	EXPER. RELEASE	2-12-65		G.D.L		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE: DO NOT SCALE

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

CODE: A

STOCK SIZE: #

MATERIAL: #

TYPE & TEMPER: # | HEAT TREAT. SPEC.: #

FINISH & SPEC. NO.: #

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

BAND # 1

DRAWN	CHECKED	FINAL APPROVAL
G.D.L 2-12-65	JA	

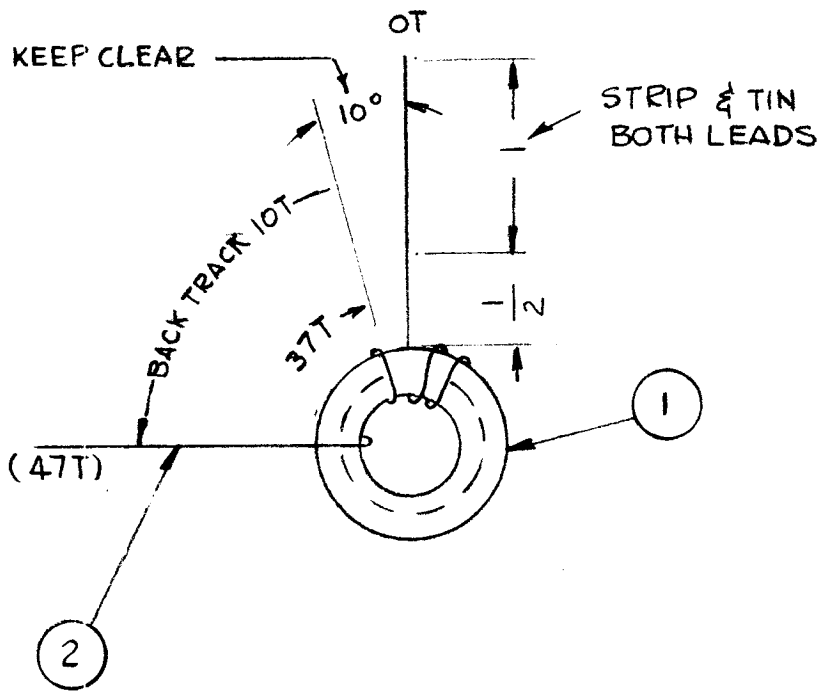
ELEC. DES. APP.: Anger 4/7/65 | MECH. DES. APP.:

CL359 Ø

REPROVEL NO. 440H

TMC FORM 106-A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL 360	Ø
1	CHG-3	AX 549	2-16-65		



(47T) o
OT o

SCHEMATIC
(SYMBOL L1017)

- PROCEDURE -

1 - WIND APPROX. 47 TURNS IN THE DIRECTION SHOWN, - EQUALLY SPACED OVER ANGLE SHOWN.
2 - TURNS MAY BE ADDED OR REMOVED AS NEEDED TO MEET INDUCTANCE.
3 - STAKE LEADS SECURELY WITH GL 102.
4 - BAKE FOR 1/2 HR. AT 215° F. TO REMOVE MOISTURE.
5 - COAT COIL & CORE W/GL 102 & BAKE 1/2 HR. AT 215° F.

- ELEC. SPECIFICATION -

$L = 7.8\ \mu h \pm 0.17\ \mu h$
$Q = 185 \pm 20$ AT 3.5 MC.
$C_{dist} = 1.1 \pm 0.6$ MMF

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	3	GL 102	Q - MAX	
X	2	WI 141-24-9	WIRE, ELEC. MAG.	
1	1	CI 127-1	CORE, TOROID	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR ~~PRODUCTION~~	4-8-65	Ø	GL		
X	COMPLETELY REVISED	3-15-65		G.D.L		
X	EXPER. RELEASE	2-16-65		G.D.L		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE: DO NOT SCALE

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

CODE: A

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, R F
BAND #2

DRAWN	CHECKED	FINAL APPROVAL
G.D.L 2-16-65		

ELEC. DES. APP.	MECH. DES. APP.	
Junger 4/7/65		CL 360 Ø

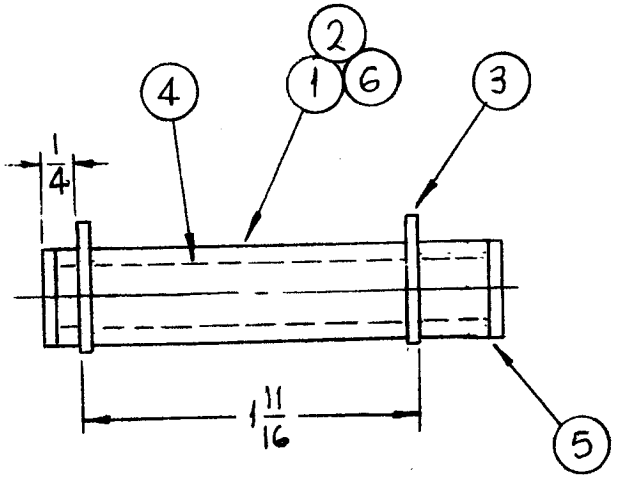
TMC FORM 108-A

REPROVEL NO. 440H 21540

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL 361	Ø
2	RFTA-1		1-15-65		

PROCEDURE:

1~ INSERT ITEM 4 IN ITEM 1 AND APPLY ITEM 8.
2~ ARRANGE ITEMS 3 AND 5 ON ITEM 1.
3~ WIND 75 TURNS OF ITEM 2 AND STAKE WITH ITEM 7.
4 BAKE 1/2 HOUR AT 215°F TO REMOVE MOISTURE.
5~ COAT COIL WITH ITEM 6 AND BAKE 1/2 HOUR AT 215°F.



ELECTRICAL SPECS:

L = 124 μH ± 10% AT 790 KC
Q= 25 OR GREATER

X	8	GL 130	Q-DOPE
X	7	BS 100	SOLDER, TIN ALLOY
X	6	GL 102	Q-MAX
2	5	PM 1200	BUSHING COIL SUPPORT
1	4	CI 112Q1-1R5F	CORE, FERRAMIC, MAGNET
2	3	TE 153-3	TERMINAL, LUG RING
X	2	WI 122-25	WIRE, ELECTRICAL
1	1	CF 120-2	COIL, FORM
REQ.	ITEM	PART NO.	F. BUDETTI DESCRIPTION

SYMBOL

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE	4/12/66	Ø			
X2	DWG # WAS A4186	4/12/66	X2	JAD		
X1	L 124 ± 10% WAS L 113 ± 5% Q 25 WAS 40	6-11-65	X1	G.D.L		
X	EXP. RELEASE	1-15-65	X	SRG		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ± .05, .XX ± .01, .XXX ± .005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE 1:1

CODE A

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

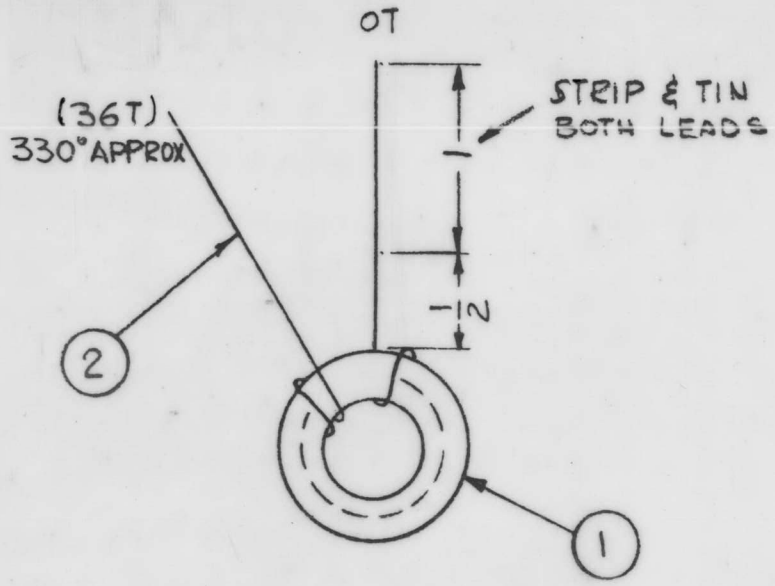
COIL, RF

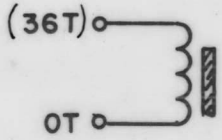
DRAWN	CHECKED	FINAL APPROVAL
SRG	4/13/66	
ELEC. DES. APP.	MECH. DES. APP.	CL 361 Ø
ML 4/13/66	4-13-66	

REPROVEL NO. 440H 21840

TMC FORM 108-A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL362	Ø
1	CHG-3	AX 550	2-16-65		





SCHEMATIC
(SYMBOL L1024)

- PROCEDURE -

1 - WIND APPROX. 36 TURNS IN THE DIRECTION SHOWN, EQUALLY SPACED OVER ANGLE SHOWN.
2 - TURNS MAY BE ADDED OR REMOVED AS NEEDED TO MEET INDUCTANCE.
3 - STAKE LEADS SECURELY WITH GL102.
4 - BAKE FOR 1/2 HR. AT 215° F. TO REMOVE MOISTURE.
5 - COAT COIL & CORE W/GL102 & BAKE 1/2 HR. AT 215° F.

- ELEC. SPECIFICATION -

$L = 5.18\,\mu h \pm 0.11\,\mu h$
$Q = 200 \pm 25$ AT 5 MC.
$C_{dist} = 1.\text{MMF} \pm 0.6\ \text{MMF}$

REQ.	ITEM	PART NO.	J. ANGER DESCRIPTION	SYMBOL
X	3	GL 102	Q - MAX	
X	2	WI 141-24-9	WIRE, ELEC. MAG.	
1	1	CI 127-1	CORE, TOROID	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORIGINAL RELEASE FOR PRODUCTION	4.8.65	Ø	J.L.		
X1	COMPLETELY REVISED	3-15-65		G.D.L		
X	EXPER. RELEASE	2-26-65		G.D.L		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE DO NOT SCALE

TOLERANCES: DECIMALS .X ± .05, .XX ± .01, .XXX ± .005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

CODE A

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF
BAND # 3

DRAWN	CHECKED	FINAL APPROVAL
G.D.L 2-16-65		

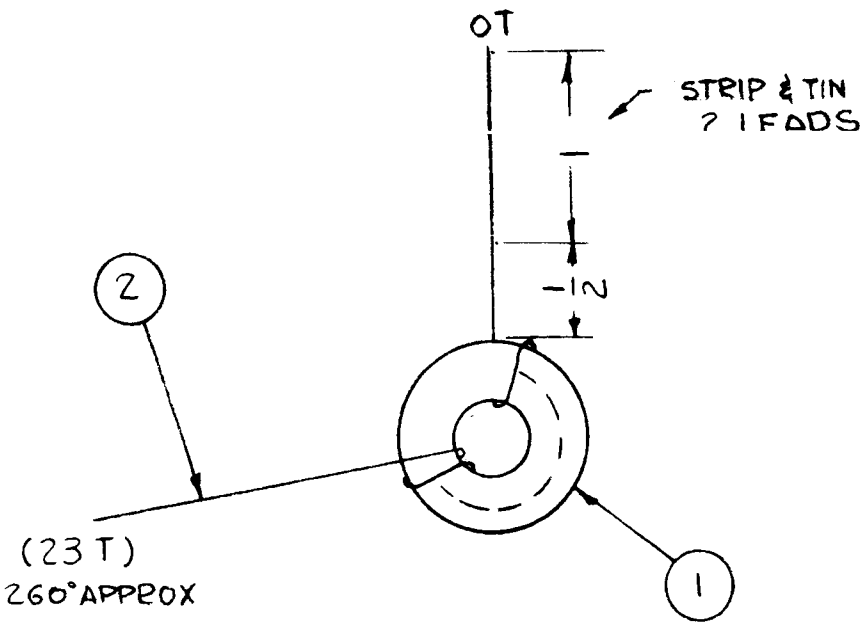
ELEC. DES. APP. Jenger 4/7/65 | MECH. DES. APP.

CL362 Ø

TMC FORM 108-A

REPROVEL NO. 440H 21540

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL 363	A
1	CHG-3	AX 55.1	2-16-65		



- PROCEDURE -

1 - WIND APPROX. 23 TURNS IN THE DIRECTION SHOWN, EQUALLY SPACED OVER ANGLE SHOWN

2 - TURNS MAY BE ADDED OR REMOVED AS NEEDED TO MEET INDUCTANCE.

3 - STAKE LEADS SECURELY WITH GL 102.

4 - BAKE FOR 1/2 HR. AT 215° F. TO REMOVE MOISTURE.

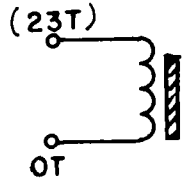
5 - COAT COIL & CORE W/GL 102 & BAKE 1/2 HR. AT 215° F.

- ELEC. SPECIFICATION -

$L = 2.5\ \mu h \pm 0.06\ \mu h$

$Q = 150$ MIN AT 7 MC.

$C_{dist} = 0.7 \pm 0.5$ MMF



SCHMATIC
(SYMBOL L1030)

REQ.	ITEM	PART NO.	J. ANGER DESCRIPTION	SYMBOL
X	3	GL 102	Q - MAX	
X	2	WI 141-24-9	WIRE, ELEC. MAG.	
1	1	CI 127-1	CORE, TOROID	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	"Q" VALUE WAS 170 ± 20	1-6-67	17616	WHD		
ø	ORIGINAL RELEASE FOR PRODUCTION	4-8-65	ø	JL		
X1	COMPLETELY REVISED	3-15-65		G.D.L		
X	EXPER. RELEASE	2-17-65		G.D.L		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE: DO NOT SCALE

TOLERANCES: DECIMALS .X ± .05, .XX ± .01, .XXX ± .005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

CODE: A

STOCK SIZE:

MATERIAL:

TYPE & TEMPER | HEAT TREAT. SPEC.

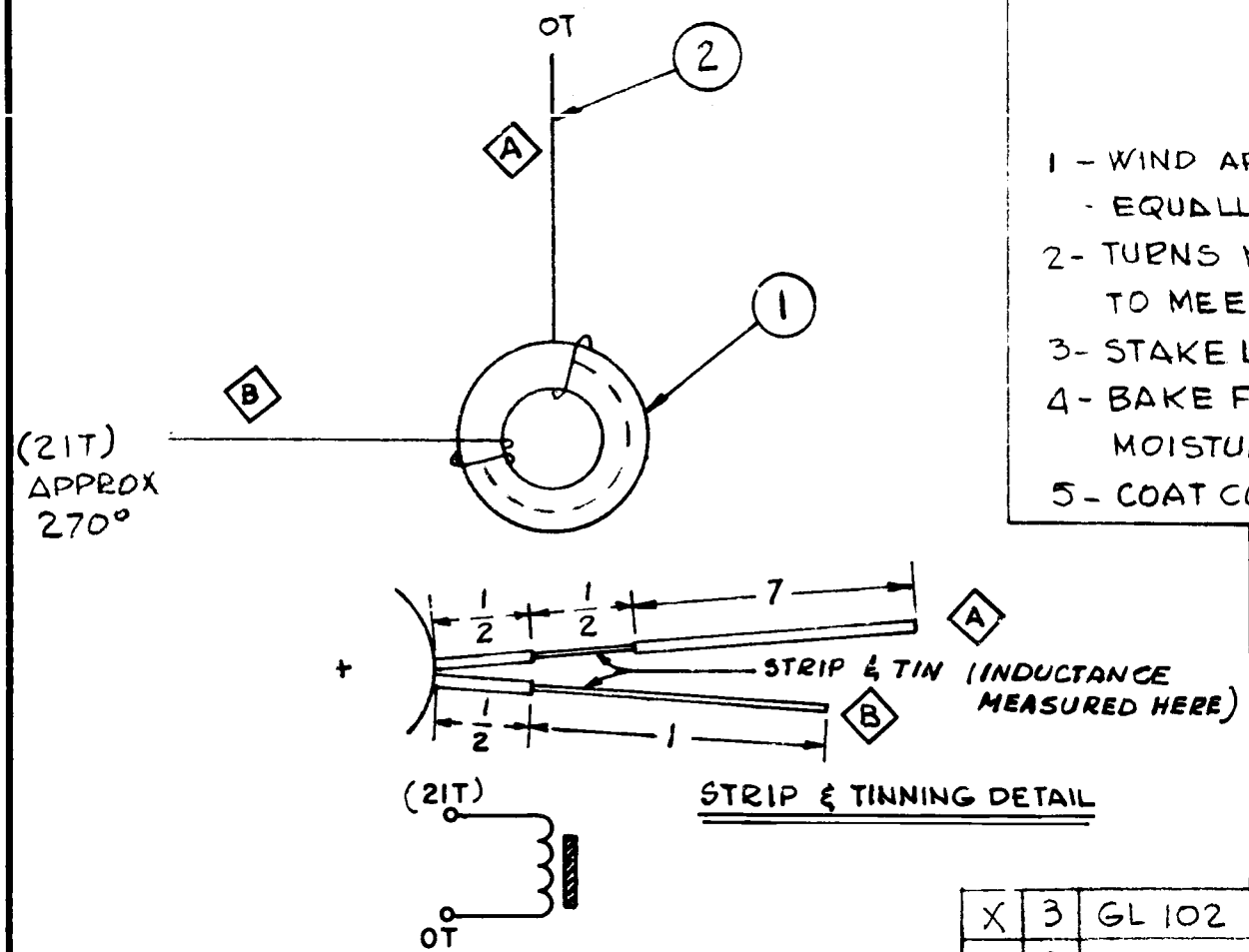
FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, R F
BAND #4

DRAWN	CHECKED	FINAL APPROVAL
G.D.L 2-16-65		CL 363 A
	ELEC. DES. APP.	MECH. DES. APP.

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL364	B
1	CHG-3	AX 552	2-16-65		



STRIP & TINNING DETAIL

SCHEMATIC (SYMBOL L1036)

PROCEDURE

1 - WIND APPROX. 21 TURNS IN THE DIRECTION SHOWN, EQUALLY SPACED OVER ANGLE SHOWN.
2 - TURNS MAY BE ADDED OR REMOVED AS NEEDED TO MEET INDUCTANCE.
3 - STAKE LEADS SECURELY WITH GL102.
4 - BAKE FOR 1/2 HR. AT 215° F. TO REMOVE MOISTURE.
5 - COAT COIL & CORE W/GL102 & BAKE 1/2 HR. AT 215° F.

ELEC. SPECIFICATION

L = 1.9 μh ± 0.04 μh
Q = 160 MIN AT 10MC
C_{dist} = 0.7 ± 0.5 MMF

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	3	GL 102	Q - MAX	
X	2	WI 141-24-9	WIRE, ELEC. MAG.	
1	1	CI 127-1	CORE, TOROID	

T. ANGER

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP
B	"Q" VALUE WAS 180 ± 20	1-6-67	17616	WHO		
A	DIMS. 1/2 & 1" DELETED "A","B" IND. & DETAIL ADDED	6-24-65	14338	G.D.L		
Ø	ORIGINAL RELEASE FOR PRODUCTION	4.8.65	Ø	J.L.		
X_1	COMPLETELY REVISED	3-15-65		G.D.L		
X	EXPER. RELEASE	2-17-65		G.D.L		

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

STOCK SIZE

COIL, R F

BAND # 5

MATERIAL

G.D.L 2-16-65

TYPE & TEMPER | HEAT TREAT. SPEC. | DRAWN | CHECKED | FINAL APPROVAL

FINISH & SPEC. NO. | ELEC. DES. APP. | MECH. DES. APP.

CL364 B

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

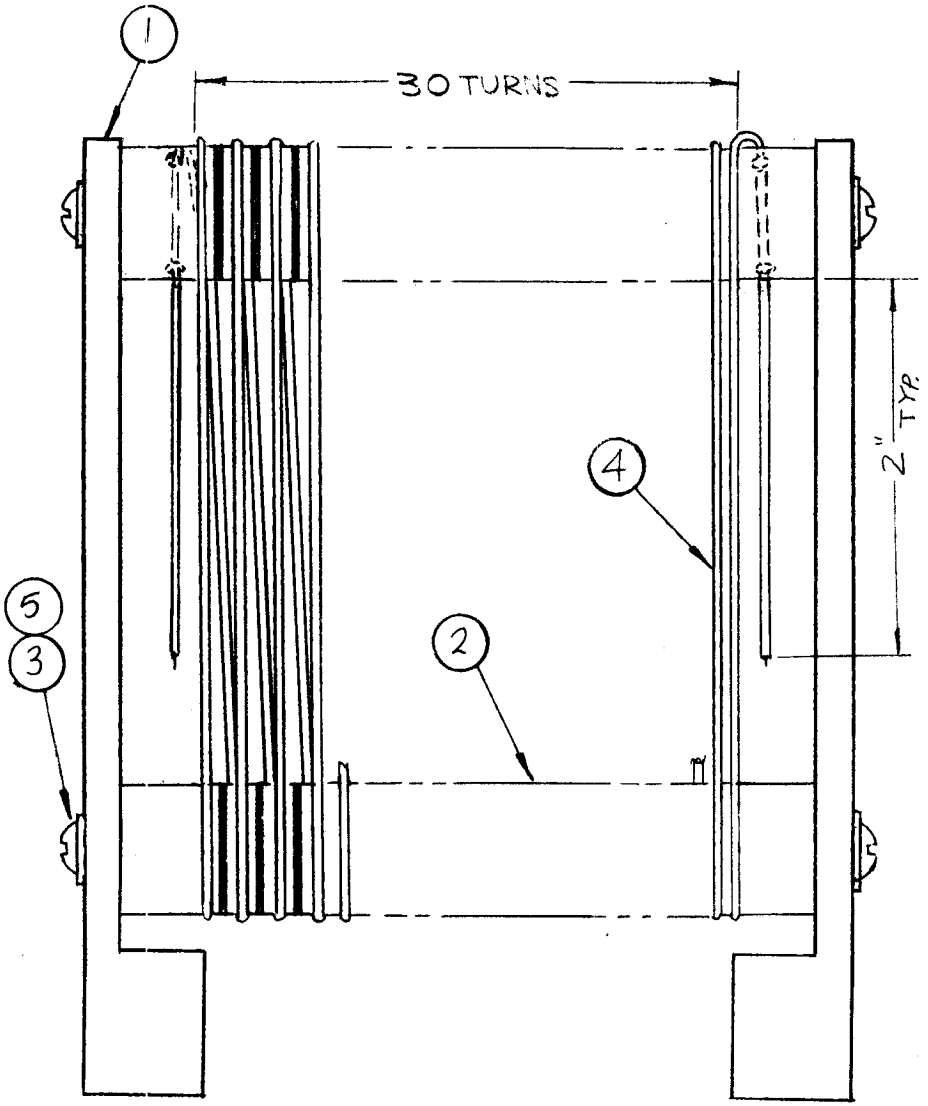
SCALE DO NOT SCALE

DECIMALS .X ± .05 .XX ± .01 .XXX ± .005
TOLERANCES
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE A

TMC FORM 108-A

REPROVEL NO. 440H 21540



REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE
1	TLAA-2.5K		10-24-66
1	RFTA-1		10-24-66

CL366 C

SPECIFICATIONS:
L - 23μH ±10% @ 2.5MC
BOONTON 260A Q METER
Q - 150 MIN.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
4	5	WA109-54	WASHER, FIBER	
X	4	WI147-4	WIRE, ELECT, TEFLON	
4	3	SC143-1032-B8	SCREW, MACHINE, NYLON	
2	2	PX905	SPACER, COIL	
2	1	PX904	SUPPORT, COIL	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
C	TURNS WERE 32. "L" WAS 26.0 μH	3/17/67	17997	RME		
B	WIRING REVISED; "L-26.0..." WAS "L-31.2-..."	1-26-67	17717			
A	REDRAWN & REVISED	10-24-66	17123			

F. BUDETTI

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

STOCK SIZE: —

MATERIAL: —

TYPE & TEMPER: — | HEAT TREAT. SPEC.: —

FINISH & SPEC. NO.: —

DRAWN | CHECKED | FINAL APPROVAL

ELEC. DES. APP. | MECH. DES. APP.

CL366 C

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

SCALE 1:1

DECIMALS
.X ±.05
.XX ± .01
.XXX ±.005

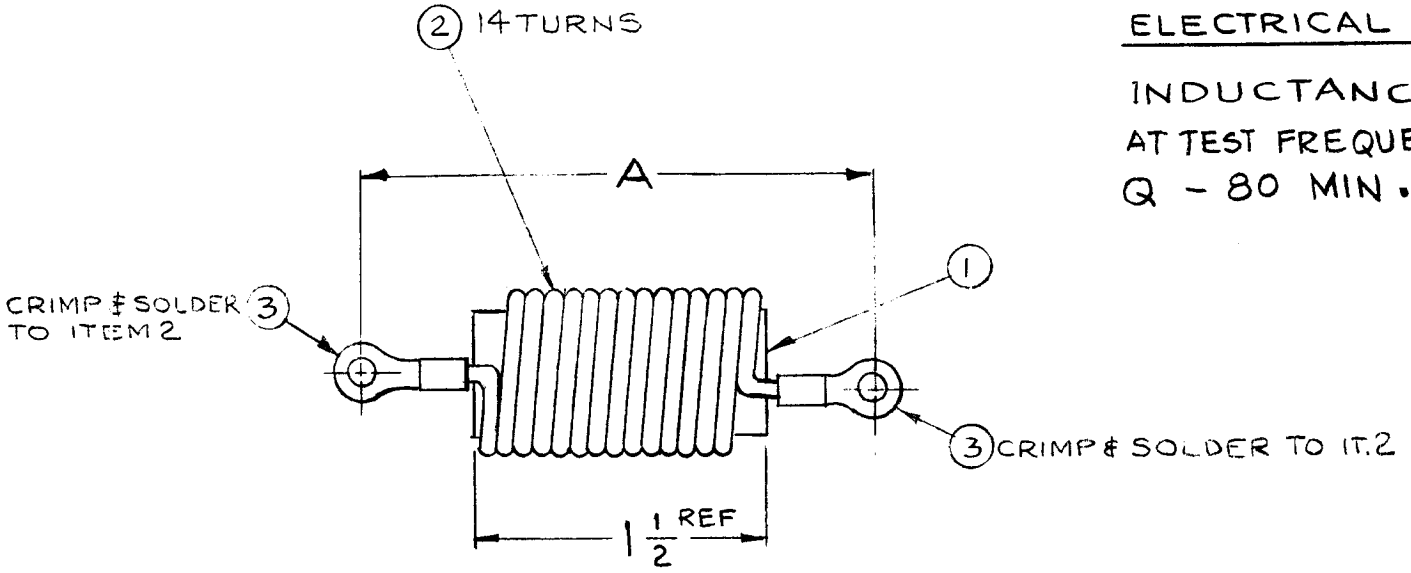
TOLERANCES

FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE A

TMC P/No	A	REQ'D
CL372-1	3 1/8	1
CL372-2	3 1/2	1

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL372-	A
	RFTA-1		4.28.1965		



ELECTRICAL SPECIFICATIONS

INDUCTANCE: 11 μH ± 20 %
AT TEST FREQUENCY 7.9 MC.
Q - 80 MIN.

REQ.	ITEM	PART NO.	F. BUDETTI DESCRIPTION	SYMBOL
X	5	BS100	SOLDER, SOFT	
X	4	GL104-4	INSULATING VARNISH, ELECT.	
2	3	TE141-2	TERMINAL, LUG, SOLDERLESS	
X	2	WI123-12	WIRE, ELEC., MAG. H.T.	
1	1	CI112Q2-1R5L	CORE, FERRAMIC	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	TEST FREQ WAS 2.5 MC	6.27.66	16463	WHO		
Ø	ORIGINAL RELEASE	4/13/66	Ø			
X3	A DIM. WAS 2 5/8 - CHART ADDED ITEM 4 WAS GL130	6-22-65	X2	E.D.L		
X2	INDUCTANCE WAS 16; Q ADDED	6-11-65	X2	E.D.L		
X1	TOL ADDED	5/10/65	X1			

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE 1:1

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

CODE A

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

DRAWN	CHECKED	FINAL APPROVAL
JB	JDa 4/13/66	4/13/66

ELEC. DES. APP.	MECH. DES. APP.	CL372-	A
4-13	4-13		

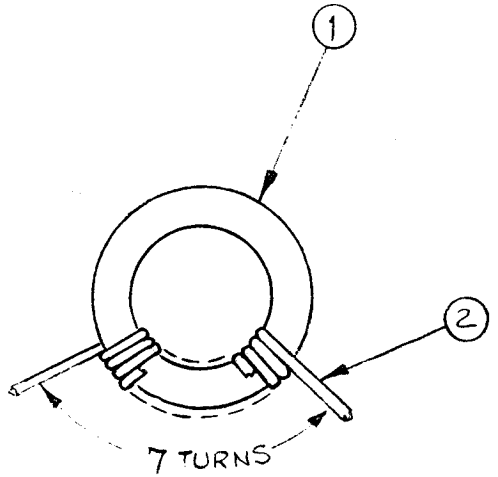
ML 4/13/66

TMC FORM 108-A

REPROVEL NO. 440H

23545

REQ. PER UNIT	USED ON			CL373	B
	MODEL	ASS'Y. NO.	DATE		
1	RFTA-1		4.29.65		



ELECTRICAL SPECIFICATIONS

L = 7 μh ± 10% AT 7.9 Mc

Q-MIN = 140

NOTE:

BOTH LEADS TO BE 4" LONG, STRIPPED & TINNED 1/2"

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	"Q" MIN WAS 300. ADD STRIPPED & TINNED ½"	8-23-66	16778	RME		
A	ON ELEC. SPEC. "L" WAS 14μH	7-5-66	16503	G.D.L		
Ø	ORIGINAL RELEASE FOR PRODUCTION	4/20/66		CV		
X4	7 TURNS WERE 14, LEADS WERE 1"	11-23-65	X4			
X3	CI 128-4 WAS CI128-2	10-18-65	X3			
X2	L WAS 65μh Q WAS 30	6/3/65	X2			
X1	"L" TOL ADDED	5/10/65	X1			

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	3	GL130	Q-DOPE	
X	2	WI147-3	WIRE, ELEC., TEFLON	
1	1	CI128-4	CORE, FERRAMIC	

F. BUDETTI

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE: DO NOT SCALE

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

CODE: A

DRAWN	CHECKED	FINAL APPROVAL
MB		

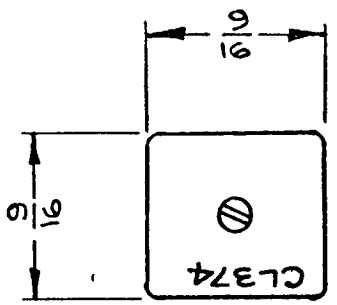
ELEC. DES. APP.	MECH. DES. APP.	
		CL373 B

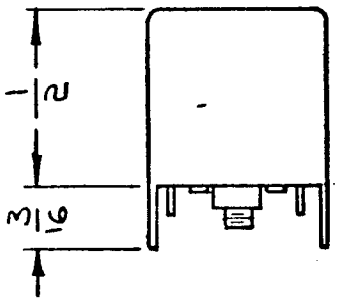
REPROVEL NO. 440H

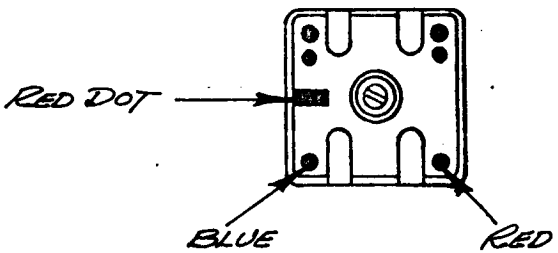
TMC FORM 108-A

23645

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL374	B
1	CMRA-1	A 4218	5-13-65		





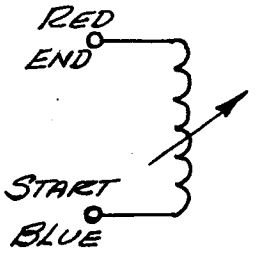


ELECTRICAL SPECS.
(W/O SLUG)

OPERATING FREQUENCY:
INDUCTANCE @ 795 KC
PRIMARY: 370 µh ± 25µh
SECONDARY: NOT RATED
"Q" (PRIMARY)@ 795 KC MIN. 40

MECHANICAL SPEC.

TURNS
PRIMARY: 278
SECONDARY: NOT USED
COLOR CODE: RED
CASE: COPPER CAN
CASE FINISH: TIN-PLATED
QUANTITY TERM: 4
MATERIAL:
CORE & SLUG: POWDERED IRON



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	CL374 STAMPED ON TOP	12.6.66	17374	HLA		
-1	PRI. WAS 310 MH PRI. TURNS WAS 263	8/9/65	14636	[illegible]		
Ø	ORIGINAL RELEASE FOR PRODUCTION	5/21/65	AA	HLA		
X	EXPER. RELEASE	5-13-65	X	HLA		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES
DECIMALS .X ± .05, .XX ± .01, .XXX ± .005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

SCALE

CODE A

2A4268

REQ.	ITEM	PART NO.	POSE	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

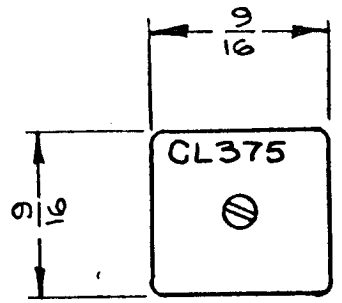
COIL, RF, ADJ.

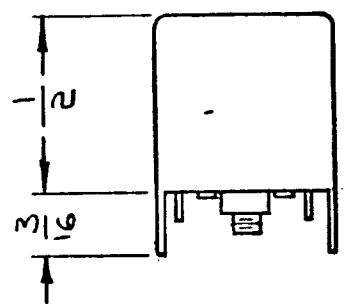
SYN-B-L1

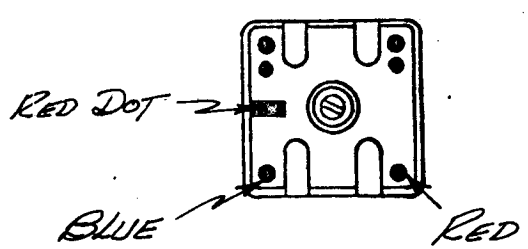
DRAWN	CHECKED	FINAL APPROVAL
HLA		5/7/65

ELEC. DES. APP.	MECH. DES. APP.		
		CL374	B

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL375	B
1	CMRA-1	A4216	5-17-65		







ELECTRICAL SPECS.
(W/O SLUG)

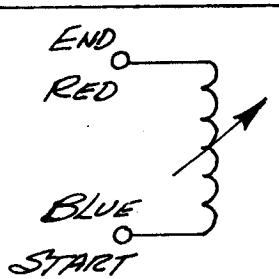
OPERATING FREQUENCY:
INDUCTANCE @ 250 KHZ
PRIMARY: 2.0 MH ± 0.2 MH

"Q" (PRIMARY)@ 250 KHZ MIN 20

MECHANICAL SPEC.

TURNS
PRIMARY: 625

COLOR CODE: RED
CASE: COPPER CAN
CASE FINISH: TIN-PLATED
QUANTITY TERM: 4
MATERIAL:
CORE & SLUG: POWDERED IRON



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	CL375 STAMPED ON TOP VIEW	12.6.66	17374	HHO	QCB	
A	PRI. IND WAS 2.2 uh ADDED 250KHZ MIN20 ("Q")	7/18/66	16571	RME	QCB	
Ø	ORIGINAL RELEASE FOR PRODUCTION	5/21/65	—	HLA		
X	EXPER. RELEASE	5.17.65	X	HLA		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

DECIMALS .X ±.05 .XX ± .01 .XXX ± .005 TOLERANCES FRACTIONS ± 1/64 ANGLES, ± 0° 30'

CODE A

2A4263

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		—	POSE	

STOCK SIZE: —

MATERIAL: —

TYPE & TEMPER: — | HEAT TREAT. SPEC.: —

FINISH & SPEC. NO.: —

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, ADJ.

SYN-A-L3

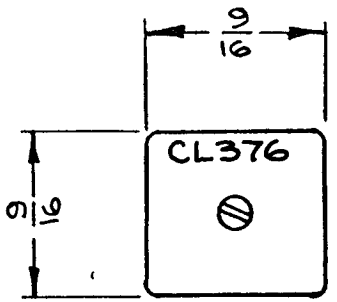
DRAWN	CHECKED	FINAL APPROVAL
HLA	QCB	5/21/65

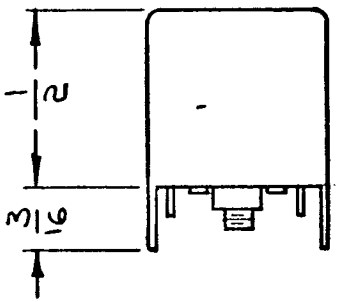
ELEC. DES. APP. | MECH. DES. APP.

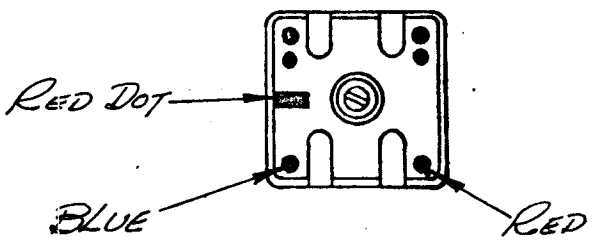
CL375 B

REPROVEL NO. 440H 16106

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL376	B
1	CMRA-1	A4216	5-17-65		







ELECTRICAL SPECS.
(W/O SLUG)

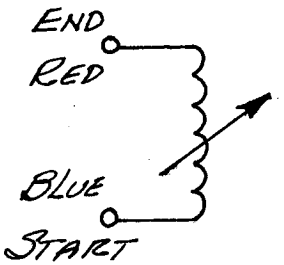
OPERATING FREQUENCY:
INDUCTANCE @ 6MHZ
PRIMARY: 1.5 μh ± 0.2 μh

"Q" (PRIMARY)@ 6mc MIN. 40

MECHANICAL SPEC.

TURNS
PRIMARY: 27

COLOR CODE: RED
CASE: COPPER CAN
CASE FINISH: TIN-PLATED
QUANTITY TERM: 4
MATERIAL:
CORE & SLUG: POWDERED IRON



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	"CL376" STAMPED ON TOP VIEW	12.8.66	17374	WW		
A	PRI. IND. WAS 2.0 UH CHGD. MC TO MHZ	7-18-66	16571	RME		
Ø	ORIGINAL RELEASE FOR PRODUCTION	5/21/65	—	HLA		
X	EXPER. RELEASE	5/17/65	X	HLA		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

TOLERANCES
DECIMALS .X ± .05, .XX ± .01, .XXX ± .005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE A

2A4264

REQ.	ITEM	PART NO.	POSE	DESCRIPTION	SYMBOL
		—			

STOCK SIZE —

MATERIAL —

TYPE & TEMPER — | HEAT TREAT. SPEC. —

FINISH & SPEC. NO. —

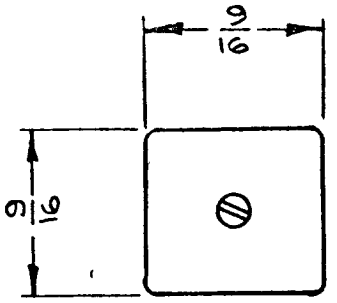
THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

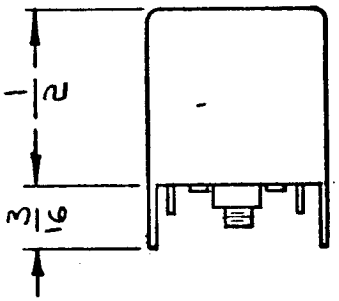
COIL, RF. ADJ.
SYN-A-L5

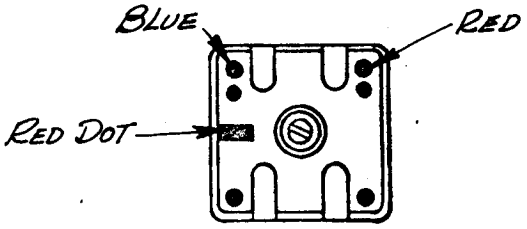
DRAWN	CHECKED	FINAL APPROVAL
H.L.AUSTIN		

ELEC. DES. APP.	MECH. DES. APP.	CL376	B

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL377	A
1	CMRA-1	A4216	5-17-65		







ELECTRICAL SPECS.
(W/O SLUG)

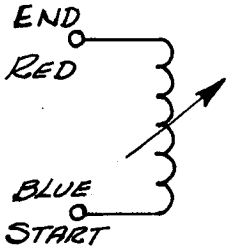
OPERATING FREQUENCY:
INDUCTANCE @ 6MC
PRIMARY: 1.5μh ± 0.2μh

"Q" (PRIMARY)@ 6mc MIN.40

MECHANICAL SPEC.

TURNS
PRIMARY: 27

COLOR CODE: RED
CASE: COPPER CAN
CASE FINISH: TIN-PLATED
QUANTITY TERM: 4
MATERIAL:
CORE & SLUG: POWDERED IRON



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	PRI. IND. WAS ±2.0uh	7-19-66	16576	RME	QCB	DT
Ø	ORIGINAL RELEASE FOR PRODUCTION	5/21/65	AA	HLA		
X	EXPER. RELEASE	5/7/65	X	HLA		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

DECIMALS .X ±.05 .XX ±.01 .XXX ±.005 TOLERANCES FRACTIONS ± 1/64 ANGLES ± 0° 30'

CODE A

2A4276

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		—	POSE	

STOCK SIZE: —

MATERIAL: —

TYPE & TEMPER: — HEAT TREAT. SPEC.: —

FINISH & SPEC. NO.: —

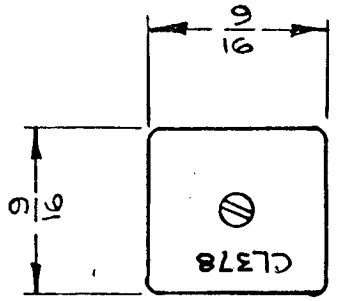
THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

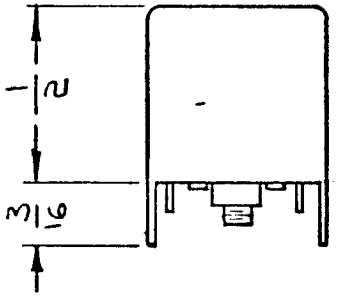
COIL, RF, ADJ.

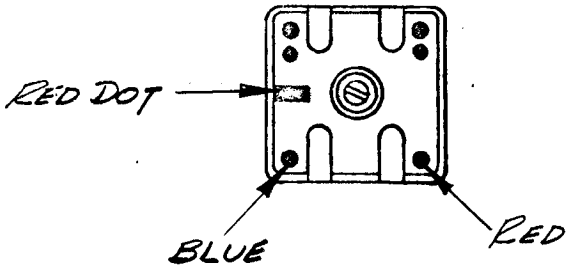
SYN-A-L6

DRAWN	CHECKED	FINAL APPROVAL
HLA.	QCB	5/21/65
ELEC. DES. APP.	MECH. DES. APP.	
		CL377 A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL378	B
1	CMRA-1	A4216	5-3-65		







ELECTRICAL SPECS.
(W/O SLUG)

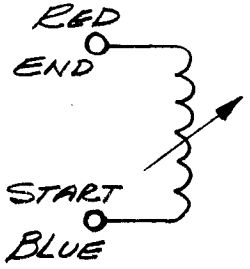
OPERATING FREQUENCY:
INDUCTANCE @ 350 KC
PRIMARY: 1.25 MH ± 0.10 MH

"Q" (PRIMARY)@ 350 KC MIN. 40

MECHANICAL SPEC.

TURNS
PRIMARY: 370

COLOR CODE: RED
CASE: COPPER CAN
CASE FINISH: TIN-PLATED
QUANTITY TERM: 4
MATERIAL:
CORE & SLUG: POWDERED IRON



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	RELOC CL378 TOP VIEW	12.5.66	17375	RME		
A	OPER. FREQ. WAS 252 KC ADD CL378 TO TOP VIEW	8-23-66	16750	RN		
Ø	ORIGINAL RELEASE FOR PRODUCTION	5/21/65	—	HLA		
X	EXPER. RELEASE	5.3.65	X	HLA		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

DECIMALS .X ±.05 .XX ± .01 .XXX ±.005 TOLERANCES FRACTIONS ± 1/64 ANGLES ± 0° 30'

CODE A

2A4262

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		—	POSE	

STOCK SIZE —

MATERIAL —

TYPE & TEMPER — HEAT TREAT. SPEC. —

FINISH & SPEC. NO. —

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

COIL, RF, ADJ.

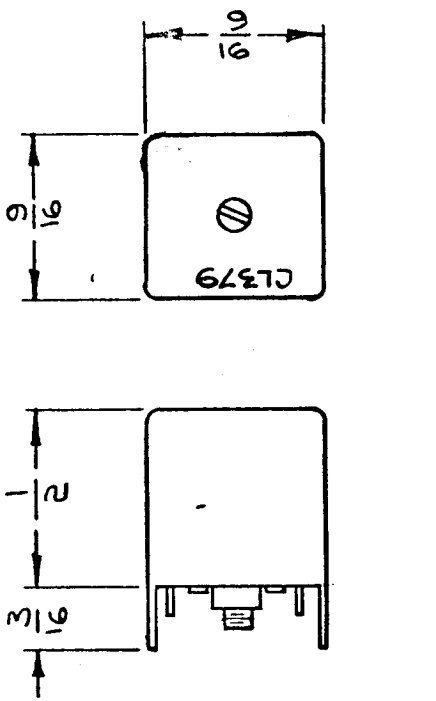
SYN-A-L2

DRAWN	CHECKED	FINAL APPROVAL
H Auston		

ELEC. DES. APP.	MECH. DES. APP.	CL378	B

TMC FORM 108-A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL379	B
1	CMRA-1	A4216	5-13-65		

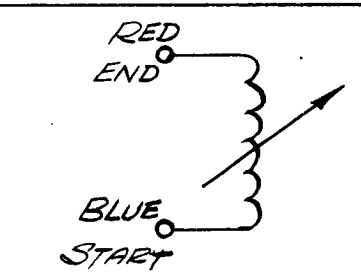


ELECTRICAL SPECS.
(W/O SLUG)

OPERATING FREQUENCY:
INDUCTANCE @ 3 mc
PRIMARY: 12 μh ± 1.0 μh
SECONDARY: NOT RATED
"Q" (PRIMARY)@ 3 mc MIN. 40

MECHANICAL SPEC.

TURNS
PRIMARY: 46
SECONDARY: NOT USED
COLOR CODE: RED
CASE: COPPER CAN
CASE FINISH: TIN-PLATED
QUANTITY TERM: 4
MATERIAL:
CORE & SLUG: POWDERED IRON



SCHEMATIC DIAGRAM

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
B	RELOC. CL379 TOP VIEW	12.5.66	17375	RME		
A	PRI. IND. WAS ±0.5μh	7/18/66	16571	RME		
Ø	ORIG. RELEASE	5/14/65	Ø			
X	EXPER. RELEASE		X			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE
CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

TOLERANCES
DECIMALS .X ± .05, .XX ± .01, .XXX ± .005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE A

2A4261

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF, ADJ.

SYN-A-LI

DRAWN	CHECKED	FINAL APPROVAL
HLA.	5/14/65	5/14/65

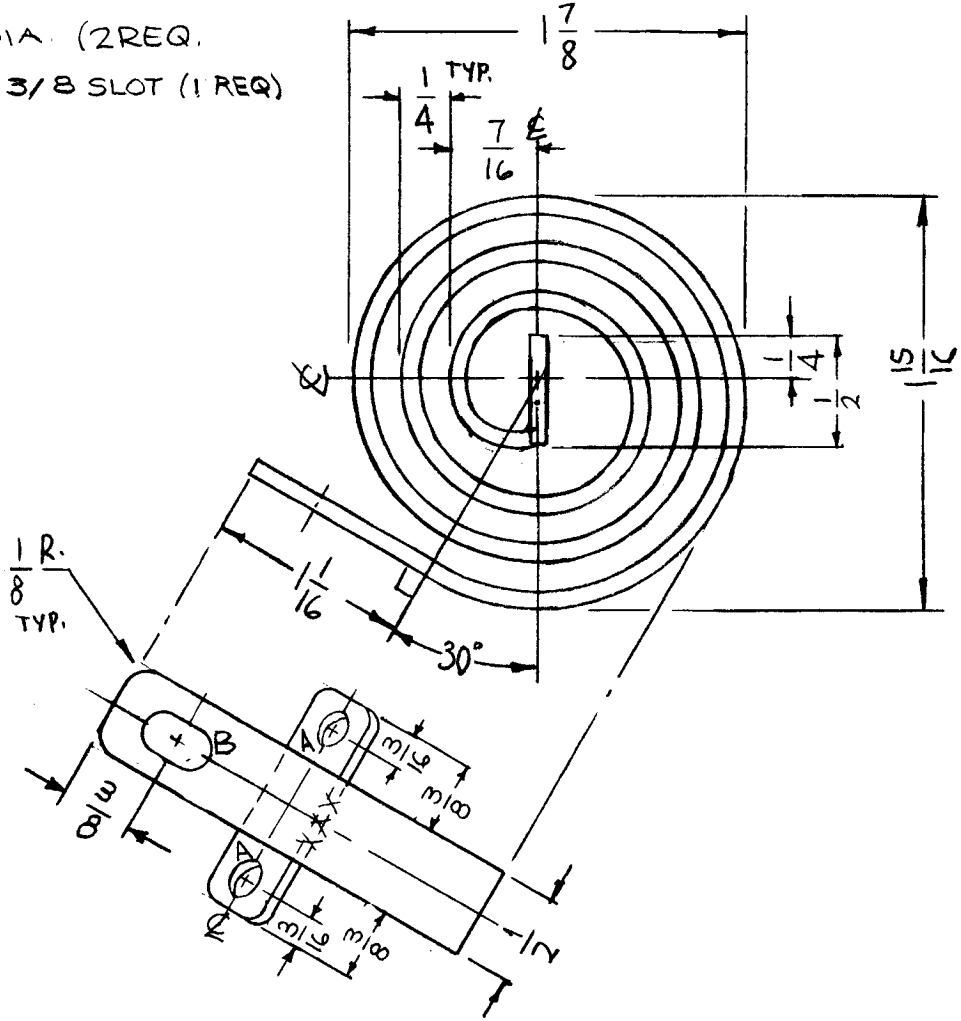
ELEC. DES. APP.	MECH. DES. APP.	CL379	B
5/13/65			

REQ. PER UNIT	USED ON			CL381	A
	MODEL	ASS'Y. NO.	DATE		
2	TSTE-10K	A4293	6-2-65		

HOLES:

A - 3/16 DIA. (2 REQ.

B - 7/32 X 3/8 SLOT (1 REQ)



SPECIFICATIONS:

IND: .26 UH ± 3%

NOTE:

- SOLDER TOGETHER AS SHOWN.
- ROUND ALL EDGES

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	"B" HOLE WAS 15/64.	10/6/66	16985	RME		
Ø	ORIGINAL RELEASE FOR PROD.	4/13/66	Ø	HLA		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE —

TOLERANCES
DECIMALS .X ±.05, .XX ± .01, .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE A

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		1/2 X .091 THICK	F. BUDETTI	

STOCK SIZE: 1/2 X .091 THICK

MATERIAL: COPPER

TYPE & TEMPER: COLD ROLLED

HEAT TREAT. SPEC:

FINISH & SPEC. NO.: S245 SILVER PLATE, S423 SILVER KOTE

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

DRAWN | CHECKED | FINAL APPROVAL

ELEC. DES. APP. | MECH. DES. APP.

CL381 A

TMC FORM 108-A

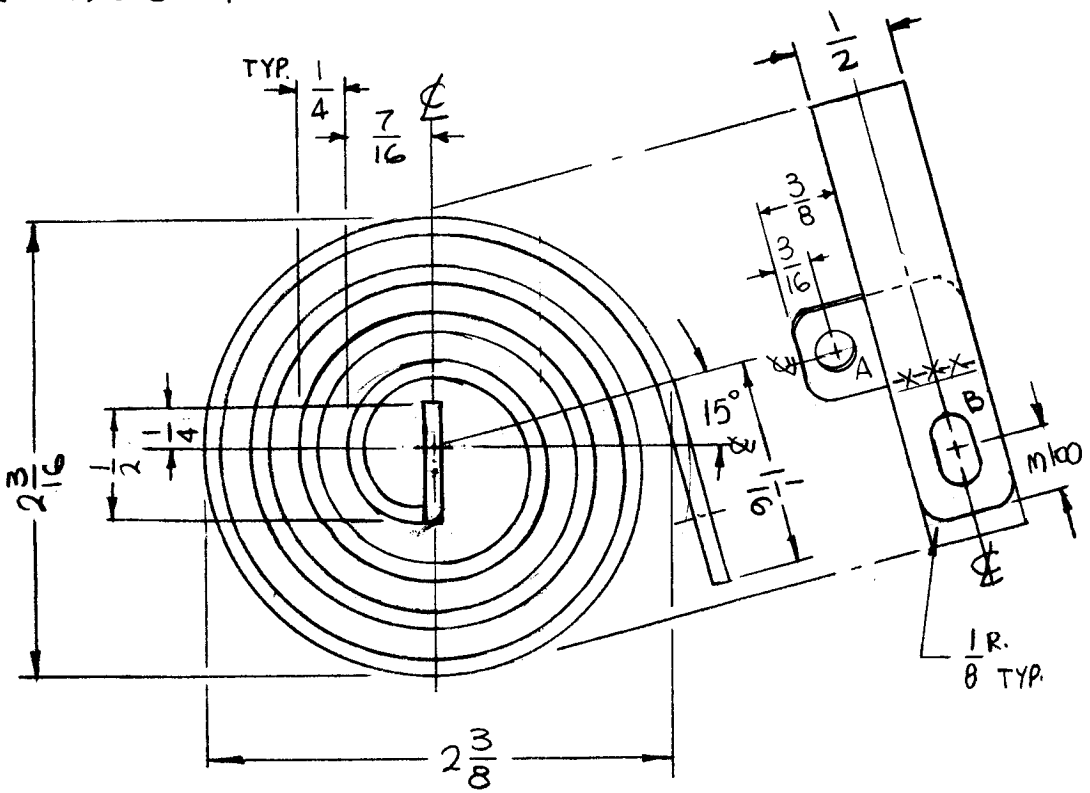
REPROVEL NO. 440H 23845

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL382	A
2	TSTE-10K	A 4293	6-2-65		

HOLES

A-3/16 DIA.

B-7/32 X 3/8 SLOT



SPECIFICATIONS:

IND: .4 UH ± 3%

NOTE:
- SOLDER TOGETHER AS SHOWN.
- ROUND ALL EDGES.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	"B" HOLE WAS 15/64	10/6/66	16985	RME		
Ø	ORIGINAL RELEASE FOR PROD.	4/13/66	Ø	HLA		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE —

TOLERANCES
DECIMALS .X ±.05, .XX ±.01, .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE A

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		1/2 X .091 THICK	F. BUDETT	

STOCK SIZE: COPPER

MATERIAL: COLD ROLLED

TYPE & TEMPER

HEAT TREAT. SPEC.

FINISH & SPEC. NO.: S245 SILVER PLATE, S423 SILVER KOTE

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

DRAWN	CHECKED	FINAL APPROVAL

ELEC. DES. APP.	MECH. DES. APP.	CL382	A

TMC FORM 108-A

REPROVEL NO. 440H

23645

REQ. PER UNIT	USED ON			CL383	A
	MODEL	ASS'Y. NO.	DATE		
2	TSTE-10K	A4293	6-2-65		

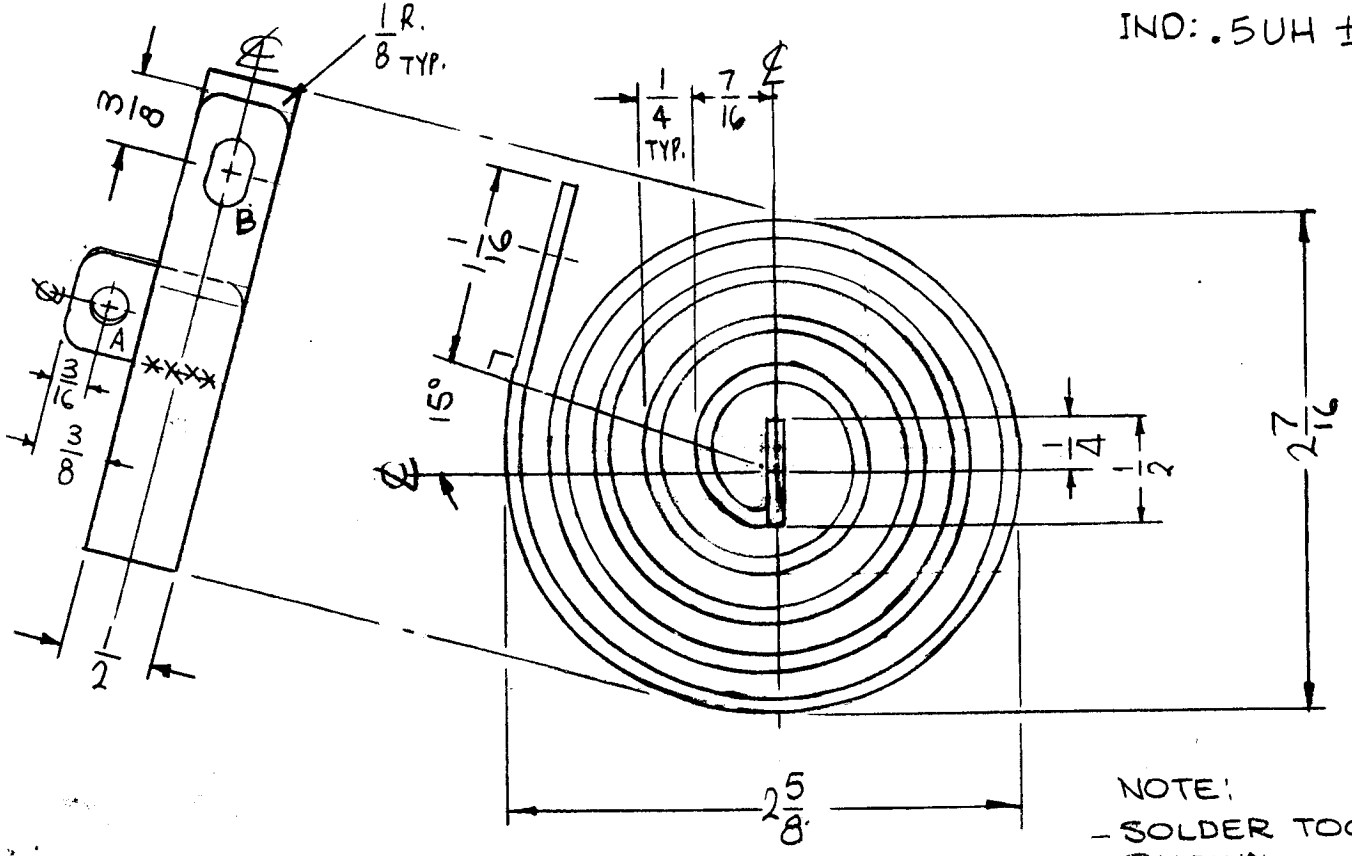
HOLES:

A - 3/16 DIA.

B - 7/32 X 3/8 SLOT

SPECIFICATIONS:

IND: .5UH ± 3%



NOTE:
- SOLDER TOGETHER AS SHOWN.
- ROUND ALL EDGES.

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	"B" HOLE WAS 15/64	10/6/66	16985	RME		
Ø	ORIGINAL RELEASE FOR PROD.	4/13/66	Ø	HLA		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE —

TOLERANCES
DECIMALS .X ±.05, .XX ±.01, .XXX ±.005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

CODE A

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
		1/2 X .091 THICK	F. BUDETTI	

STOCK SIZE

COPPER

MATERIAL

COLD ROLLED

TYPE & TEMPER | HEAT TREAT. SPEC.

5245 SILVER PLATE
5423 SILVER KOTE

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF

DRAWN	CHECKED	FINAL APPROVAL

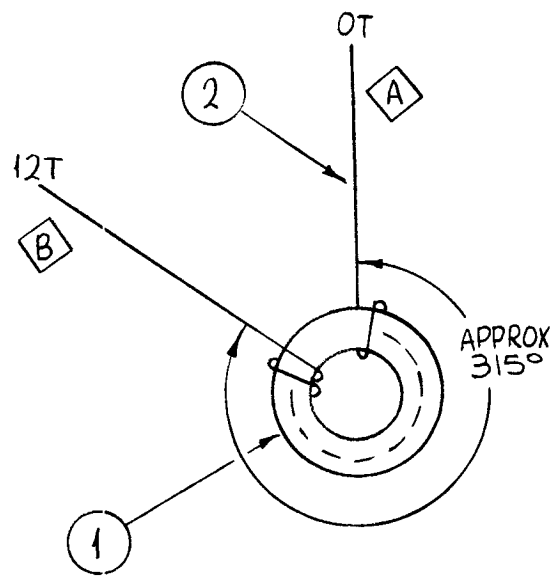
ELEC. DES. APP.	MECH. DES. APP.	CL383	A

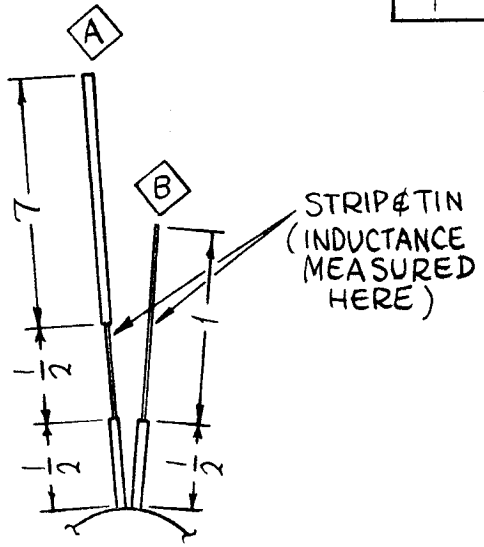
REPROVEL NO. 440H

23845

TMC FORM 108-A

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL 387	A
1	CHG-3A	AX553	9-30-65		





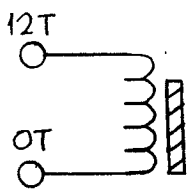
STRIP & TINNING DETAIL

-PROCEDURE-

1. WIND 12 TURNS IN THE DIRECTION SHOWN, EQUALLY SPACED OVER THE ANGLE SHOWN, WITHOUT OVERLAPPING TURNS.
2. TURNS MAY BE PUSHED TOGETHER OR SPREAD APART AS NEEDED TO MEET INDUCTANCE.
3. STAKE LEADS SECURELY WITH GL102.
4. BAKE FOR 1/2 HR. AT 215° F. TO REMOVE MOISTURE.
5. COAT COIL & CORE WITH GL102 & BAKE 1/2 HR. AT 215°F.

ELECTRICAL SPECIFICATION

$L = 0.655 \pm 0.015\mu h$
$Q = 160$ OR GREATER AT 14 MC
$C_{dist} = 0.7 \pm 0.6$MMF



SCHEMATIC (SYMBOL L1048)

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	4	BS100	SOLDER, TIN ALLOY	
X	3	GL102	Q-MAX	
X	2	WI141-22-9	WIRE, ELEC. MAG.	
1	1	CI127-1	CORE, TOROID	

J. ANGER

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	"Q" TOL. WAS ±15	6.20.66	16423	WW	JCB	MM
Ø	ORIGINAL RELEASE FOR PRODUCTION	1/4/66	Ø	WW		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30'

SCALE —

CODE A

STOCK SIZE —

MATERIAL —

TYPE & TEMPER — HEAT TREAT. SPEC. —

FINISH & SPEC. NO. —

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, RF (BAND #6)

DRAWN	CHECKED	FINAL APPROVAL
JCB	JCB	MM
Anger		

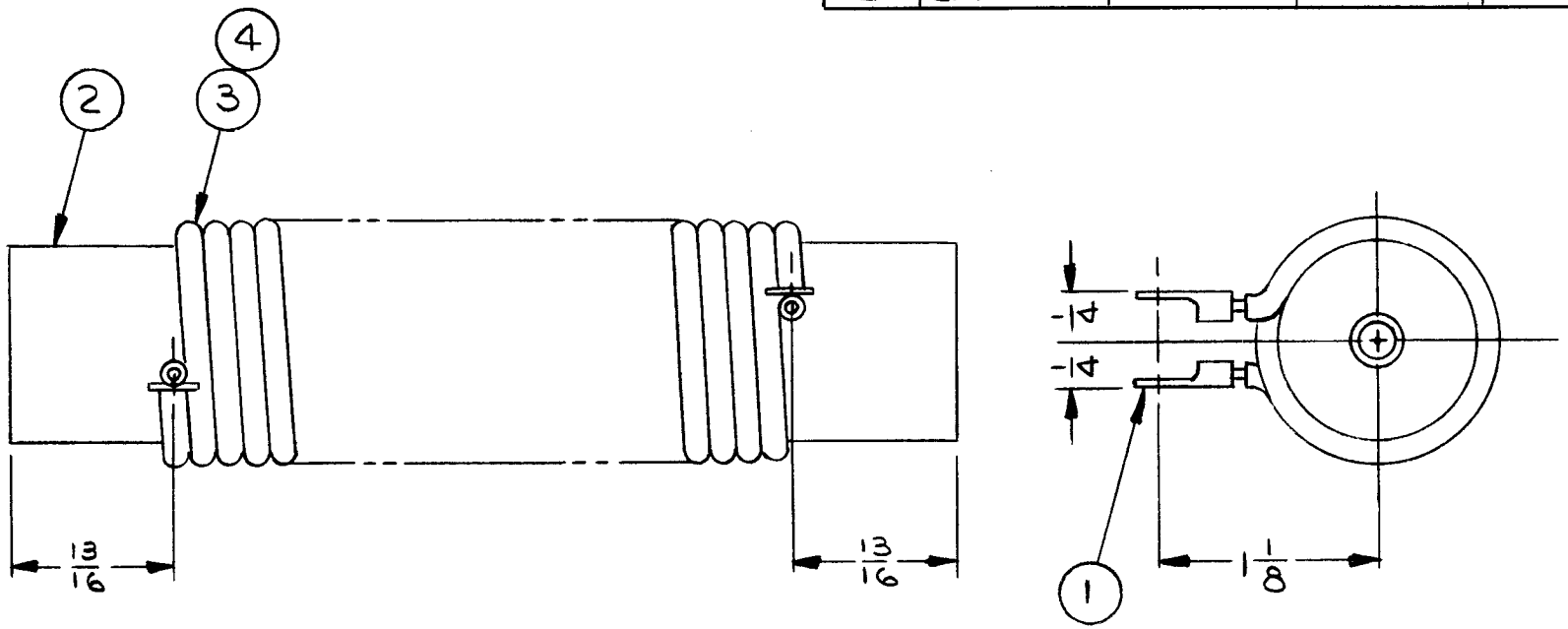
ELEC. DES. APP. — MECH. DES. APP.

CL 387 A

TMC FORM 108-A

REPROVEL NO. 440H 21540

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL389	A
2	LPF-750-3		3-23-66		



SPECIFICATIONS:

L= 3.68μh ± 0.05μh
Q= NOT REQ.
TURNS= 22

NOTE: CRIMP & SOLDER LUGS.

X	5	BS100	SOLDER, TIN ALLOY	
X	4	WL-100-2	WIRE, BUSS	
X	3	PX370-11-7	INSULATION, SLVG-TEFLON	
1	2	NS3W04-40	INSULATOR, STANDOFF	
2	1	TE141-1	TERMINAL LUG NO. 6	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	IT 3 WAS PX370-9-7	11/19/71	20462	CW.	CS	CS
Ø	ORIGINAL RELEASE FOR PRODUCTION	3/25/66		C.V		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ± .01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30′

SCALE

CODE

REQ.	ITEM	PART NO.	BAKER DESCRIPTION	SYMBOL

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, FILTER, 2-3MC

DRAWN	CHECKED	FINAL APPROVAL
JL	3/23/66	

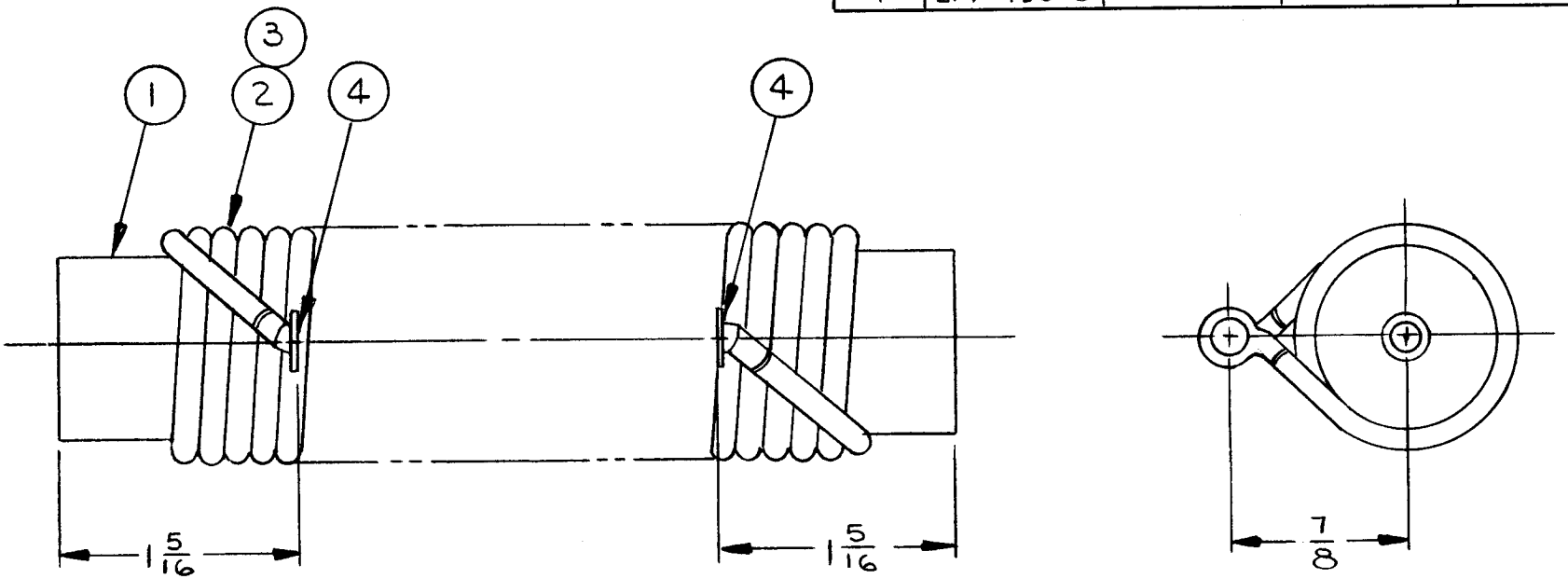
ELEC. DES. APP.	MECH. DES. APP.	
RBB		CL389 A

ML 3/25

TMC FORM 108-A

REPROVEL NO. 440H 23845

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL390	A
1	LPF-750-3		3-23-66		



SPECIFICATIONS

L= 4.96 ± 0.05 µh
Q= NOT REQ.
TURNS= 26 1/2

NOTE: CRIMP AND SOLDER ALL LUGS.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	5	BS100	SOLDER, TIN ALLOY	
2	4	TE141-1	TERMINAL LUG	
X	3	PX370-11-7	INSULATION, SLVG-TEFLON	
X	2	WL100-2	WIRE, BUSS	
1	1	NS3W04-40	INSULATOR, STANDOFF	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	IT 3 WAS PX370-12-7	11/19/71	20462	CJ		
Ø	ORIGINAL RELEASE FOR PRODUCTION	3/25/66		C.V	CJ	CL

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES: DECIMALS .X ±.05, .XX ±.01, .XXX ±.005; FRACTIONS ± 1/64; ANGLES ± 0° 30′

SCALE

CODE

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, FILTER, 2-3 MC

DRAWN	CHECKED	FINAL APPROVAL
JL	JWe 3/23/66	

ELEC. DES. APP.	MECH. DES. APP.	
RJB		CL390 A

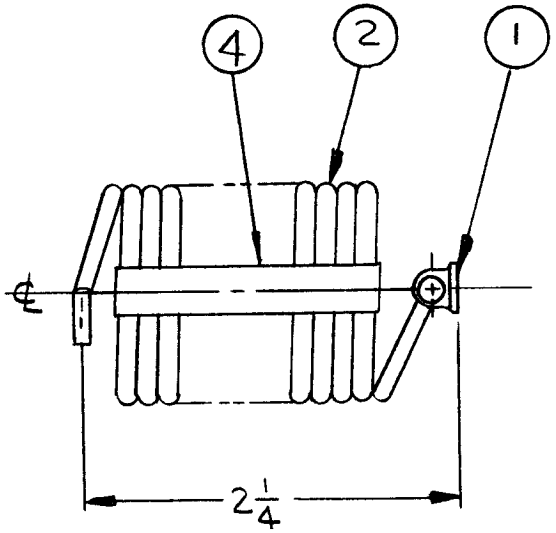
ML 25 3/25

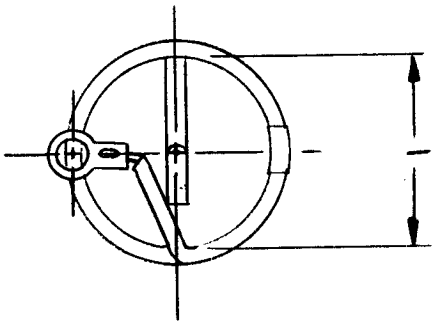
TMC FORM 108-A

REPROVEL NO. 440H

23845

REQ. PER UNIT	USED ON MODEL	ASS'Y. NO.	DATE	CL391	Ø
2	LPF-750-3		3-23-66		





SPECIFICATIONS:

L= 2.63 ± 0.05μh
Q= NOT REQ.
TURNS= 14 1/2

NOTE: CRIMP & SOLDER LUG.

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
X	4	TA101-1	INS TAPE, EL - GL	
X	3	BS100	SOLDER, TIN ALLOY	
X	2	WI123-10	WIRE, ELECT, MAG. HT	
1	1	TE141-1	TERMINAL LUG NO. 6	

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
Ø	ORRGINAL RELEASE FOR PRODUCTION	3/23/66				
X1	IT4 ADDED	3-23-66	X1	WHO		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

TOLERANCES
DECIMALS .X ±.05 .XX ± .01 .XXX ± .005
FRACTIONS ± 1/64
ANGLES ± 0° 30'

SCALE

CODE

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

BAKER

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, FILTER, 2-3 MC

DRAWN	CHECKED	FINAL APPROVAL
JL	3/23/66	
ELEC. DES. APP.	MECH. DES. APP.	CL391 Ø
RJB		

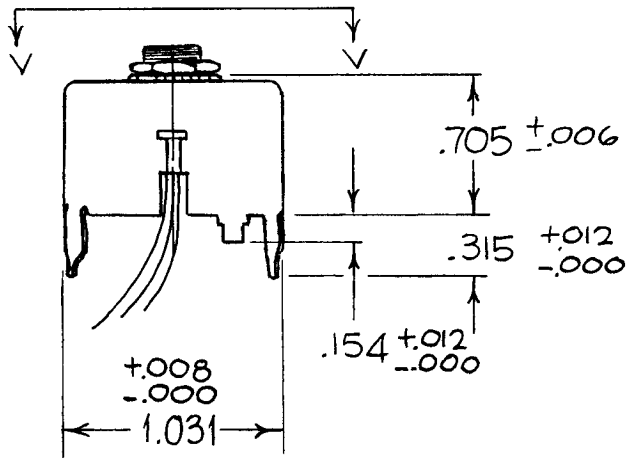
ML 3/25

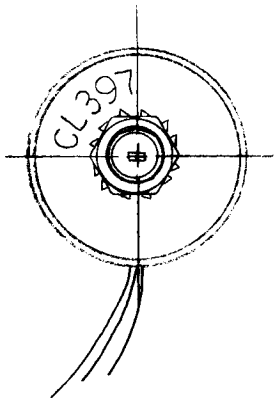
REPROVEL NO. 440H

23845

TMC FORM 108-A

REQ. PER UNIT	USED ON			CL397	A
	MODEL	ASS'Y. NO.	DATE		
4	CFA-2	A4476	5-14-66		



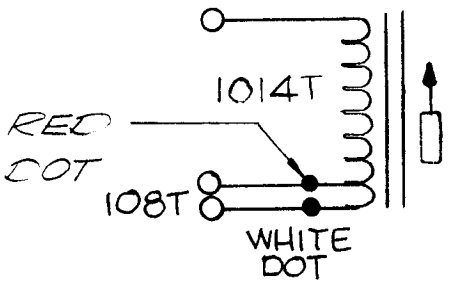


VIEW V-V

INDUCTANCE: 750MH ± .5% @1KC

DC RESISTANCE: APPROX. 920HM

UNLOADED Q: 100 MINIMUM AT 2550CPS



SCHEMATIC

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	ADD RED DOT TO TAP	5/1/70	19841	GE		
Ø	ORIGINAL RELEASE FOR PRODUCTION	9.27.66	Ø	RME		
X4	PICT REV., IND WAS ± 5%	8/23/66	—	JC		
X3	1014T WAS 972T	8-3-66	—	JC		
X2	@1KC ADDED TO INDUCTANCE	6-1-66	—	JC		
X1	SCHEMATIC REVISED	5/27/66	—	JC		

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES

SCALE

DECIMALS .X ± .05 .XX ± .01 .XXX ± .005 TOLERANCES FRACTIONS ± 1/64 ANGLES ± 0° 30'

CODE 2A4457

REQ.	ITEM	PART NO.	DESCRIPTION	SYMBOL
			DUDDLES	

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

COIL, AF ADJUSTABLE

STOCK SIZE

MATERIAL

TYPE & TEMPER | HEAT TREAT. SPEC.

FINISH & SPEC. NO.

DRAWN	CHECKED	FINAL APPROVAL
JC		9/24/66
ELEC. DES. APP.	MECH. DES. APP.	
9-23-66 A. Duddles	M/L Q.B.	CL397 A

TMC FORM 108-A

REPROVEL NO. 440H

23845