

Inductance ±10%	Q min	Test frequency	Self-resonant frequency, min	DC resistance maximum	Rated DC current ^{2/}	Incremental current
uh		mc	mc	Ohms	ma	ma
0.10	50	25	250	.025	2900	2900
.12	51	25	250	.034	2800	2800
.15	51	25	250	.037	2750	2750
.18	50	25	250	.047	2200	2200
.22	49	25	250	.067	1700	1700
.27	47	25	250	.11	1500	1500
.33	46	25	250	.13	1300	1300
.39	44	25	250	.18	1100	1100
.47	44	25	235	.25	1000	1000
.56	43	25	210	.33	900	900
.68	42	25	190	.45	750	750
.82	40	25	180	.59	600	600
1.00	47	25	140	.07	1900	1900
1.20	46	7.9	130	.093	1600	1600
1.50	45	7.9	115	.12	1300	1300
1.80	43	7.9	105	.14	1200	1200
2.20	45	7.9	100	.19	1100	1100
2.70	46	7.9	92	.28	950	950
3.30	44	7.9	85	.35	800	800
3.90	44	7.9	75	.40	750	750
4.70	44	7.9	70	.55	650	650
5.60	47	7.9	65	.72	550	550
6.80	50	7.9	55	1.02	500	500
8.20	50	7.9	50	1.32	475	475
10.0	49	7.9	46	1.62	450	450
12.0	55	2.5	44	2.00	400	400
15.0	44	2.5	49	.80	620	250
18.0	45	2.5	45	.89	610	235
22.0	46	2.5	41	.96	600	220
27.0	49	2.5	38	1.19	500	200
33.0	45	2.5	34	1.37	490	190
39.0	53	2.5	29	1.93	410	180
47.0	52	2.5	27	2.11	400	175
56.0	49	2.5	25	2.23	380	160
68.0	51	2.5	21	2.70	370	150

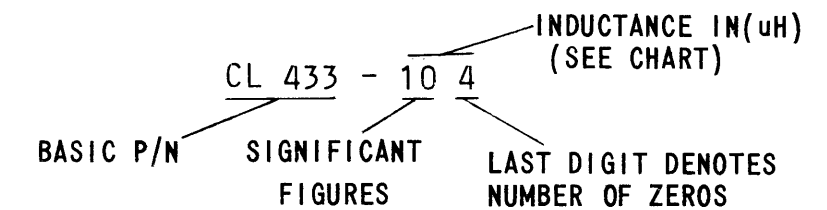
Inductance ±10%	Q min	Test frequency	Self-resonant frequency, min	DC resistance maximum	Rated DC current ^{2/}	Incremental current
uh		mc	mc	Ohms	ma	ma
82.0	45	2.5	10.5	2.44	360	140
100.0	52	2.5	10.0	3.12	325	120
120.0	57	.79	9.7	3.60	290	95
150.0	56	.7	8.5	4.10	275	90
180.0	60	.79	8.0	4.40	260	85
220.0	58	.79	7.5	5.00	250	80
270.0	60	.79	7.0	5.80	240	70
330.0	54	.79	6.5	6.40	225	65
390.0	67	.79	6.2	7.40	200	60
470.0	60	.79	5.7	9.50	180	58
560.0	60	.79	4.7	10.5	174	55
680.0	60	.79	4.5	11.8	168	50
820.0	57	.79	4.2	13.0	152	45
1,000.0	65	.79	3.8	17.5	135	40
1,200.0	45	.25	1.5	22.1	115	35
1,500.0	49	.25	1.2	26.5	110	33
1,800.0	47	.25	1.0	29.9	105	30
2,200.0	50	.25	.97	33.8	99	27
2,700.0	47	.25	.92	47.3	83	25
3,300.0	43	.25	.84	53.0	80	22
3,900.0	43	.25	.80	73.8	67	20
4,700.0	44	.25	.74	81.6	63	19
5,600.0	45	.25	.73	98.9	56	17
6,800.0	43	.25	.66	111.0	54	16
8,200.0	42	.25	.54	119.0	52	15
10,000.0	39	.25	.47	137.0	49	14
12,000.0	31	.079	.33	143.0	46	13
15,000.0	31	.079	.29	157.0	45	12
18,000.0	31	.079	.28	175.0	41	10
22,000.0	27	.079	.25	274.0	33	9
27,000.0	27	.079	.21	308.0	31	8
33,000.0	27	.079	.19	343.0	30	7.5
39,000.0	27	.079	.17	376.0	27	6.0
47,000.0	23	.079	.16	473.0	26	5.5
56,000.0	23	.079	.14	512.0	25	5.0
68,000.0	23	.079	.13	580.0	24	4.0
82,000.0	21	.079	.12	618.0	23	3.5
100,000.0	18	.079	.11	678.0	22	3.0

REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD APPD
	X	EXPERIMENTAL RELEASE	5/2/68		C.V.	
	Ø	ORIG. RELEASE FOR PROD	10/21/68	Ø	R.G.	

SPECIFICATIONS

MAXIMUM OPERATING TEMP: 125°C
 TEMPERATURE RISE: 35°C
 AMBIENT TEMPERATURE: 90°C
 TERMINAL PULL: 5 POUNDS
 DIELECTRIC WITHSTANDING VOLTAGE: 700 VOLTS RMS (SEA LEVEL)
 ALTITUDE (BAROMETRIC PRESSURE): 70,000 FEET
 COUPLING: 3% MAX
 OPERATING TEMP: -55° TO 125°C
 WEIGHT: .750 GRAMS OR LESS
 TEST VOLTAGE AT 70,000 FEET: 180 VOLTS RMS

TMC PART NUMBER WILL BE IN THE FOLLOWING FORMAT:



EXAMPLES:

104 = 100,000 uH
 332 = 3,300 uH
 681 = 680 uH
 150 = 15.0 uH
 8R2 = 8.20 uH
 R27 = 0.27 uH

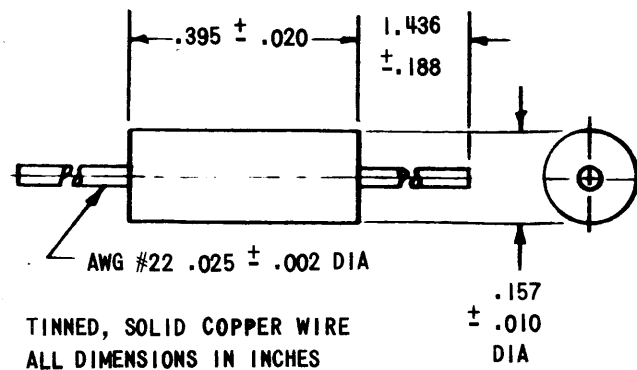
MOISTURE, VIBRATION, AND SHOCK RESISTANCE:

MEETS REQUIREMENTS OF MIL-C-15305C, GRADE I, CLASS B.
 HIGH FREQUENCY 10 CPS TO 2000 CPS @15G ±10% MAXIMUM
 FOR 12 LOGARITHMIC SWINGS EACH OF 20 MINUTE DURATION
 REPEATED FOR EACH OF THREE MUTUALLY PERPENDICULAR PLANES.

NOTE:

MANUFACTURED PER MS90537

MFR (TMC CODE NO.): S401-134



HFSR-4		
QTY / UNIT	MODEL USED ON	ASS'Y NO.
APPLICATION		
CODE		
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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES		FINAL APPROVAL	DATE
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005		DATE	DATE
FRACTIONS 1/64 TOLS. ANGLES 0° -30'		ELECT. DES.	DATE
MATERIAL		CHECKED	DATE
FINISH		DRAWN	DATE

REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				
THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK				
COILS, RADIO FREQUENCY, MOLDED SUBMINIATURE, SHIELDED, MAGNETIC				
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE	
B	82679	CL 433	Ø	
SCALE	SHEET		OF	