THE CONTENTS OF THIS DRAWING ARE THE EXCLUSIVE PROPERTY OF THE TECHNICAL MATERIEL CORP. ITS UNAUTHORIZED USE OR REPRODUCTION IN WHOLE OR IN PART IS STRICTLY FORBIDDEN.

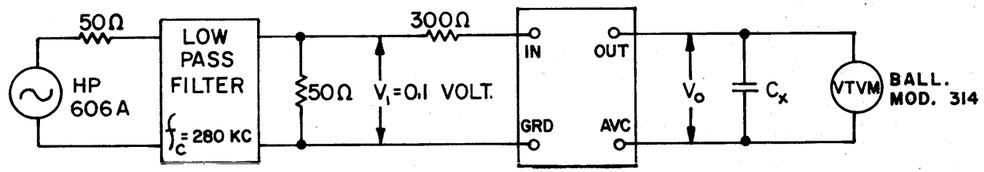
L

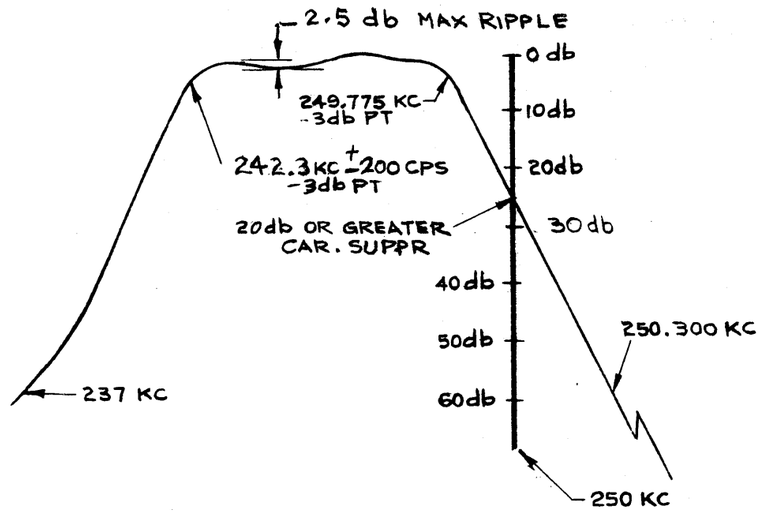
FX-173

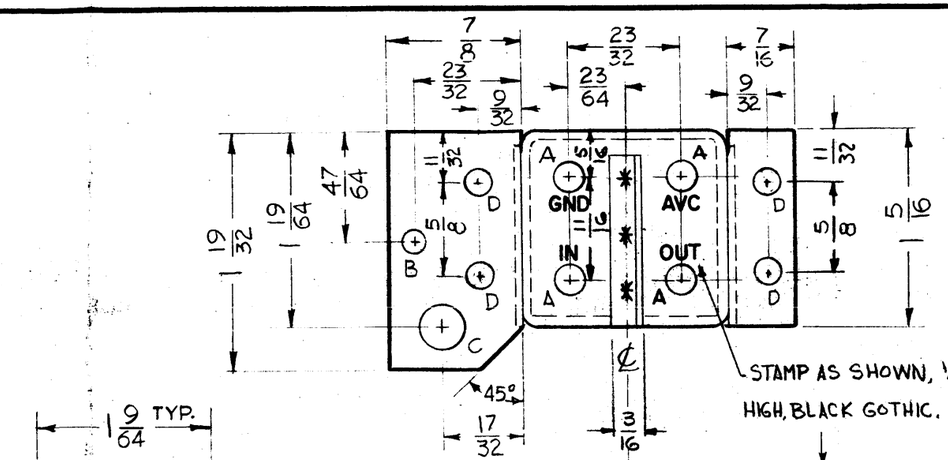
ELECTRICAL SPECIFICATIONS

1. TYPE: LOWER SIDEBAND.
2. db MEASUREMENTS: ALL db MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN PASSBAND.
3. CARRIER FREQUENCY: 250 KC.
4. CARRIER SUPPRESSION: -20 db OR GREATER.
5. -3db POINTS: 249.775 KC OR GREATER, 242.3 KC ±200 CPS.
6. -60 db POINTS: 237 KC OR GREATER, 250.300 KC OR LESS. ALL RETURN LOSES AND SPURIOUS SHALL BE -60 db OR GREATER, OVER THE RANGE OF ±50 KC FROM CARRIER FREQUENCY.
7. MAXIMUM PASSBAND RIPPLE: 2.5 db.
8. INSERTION (LOSS OR GAIN): +8 db +2 db.
9. INPUT IMPEDANCE: 300 OHMS (NOMINAL).
10. OUTPUT IMPEDANCE: NOT TO EXCEED 12.5K Ω (INTERNALLY TERMINATED).
11. D.C RESISTANCE ACROSS OUTPUT: NOT TO EXCEED 5K OHMS.
12. TEMPERATURE RANGE: 0° TO 70° C.

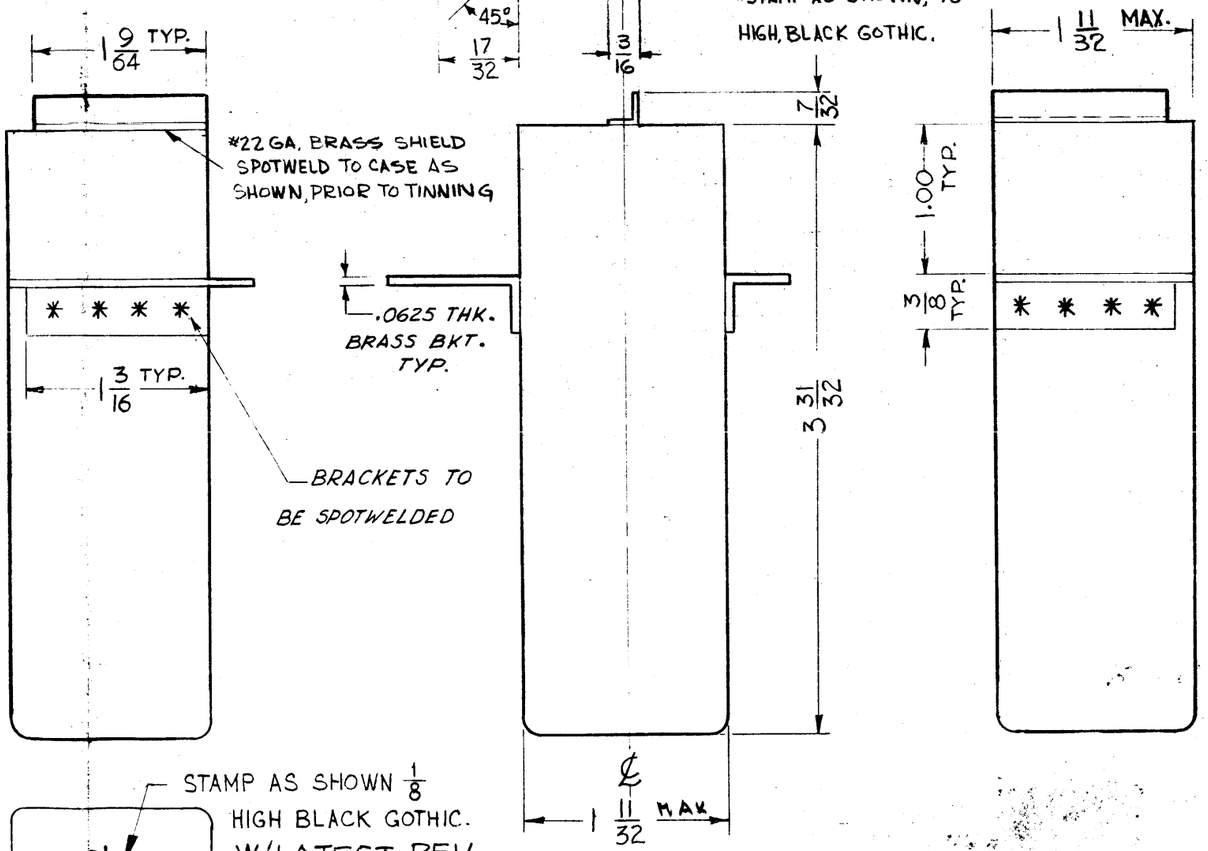
SEE TEST PROCEDURE S-764. INSERTION (LOSS OR GAIN) = $\pm(V_0 - V_1)$ IN DB.

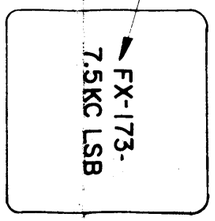






A ~ .209 DIA. 4 Req.
B ~ 5/32 DIA. 1 "
C ~ 9/32 DIA. 1 "
D ~ 3/16 DIA 4 "





SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
L	242.3KC ±200CPS WAS 242.4KC ±100CPS	2.15.68	18769	H.G.	MW	EFM

UNLESS OTHERWISE SPECIFIED:
DIMENSION ARE IN INCHES
TOLERANCES ON
FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°

SCALE: DO NOT SCALE (S401-95)

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

REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE
1	HFI-1			9-9-61
1	SBS-1			9-9-61

USED ON

REQ.	ITEM	PART NO.	M. GELLMAN DESCRIPTION	SYMBOL
			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
STOCK SIZE				
BRASS			FILTER, ASYMMETRICAL CRYSTAL	
MATERIAL			7.5 KC LOWER SIDEBAND	
HOT TIN DIP			DeLuca	AB
TYPE & TEMPER	HEAT TREAT. SPEC.		DRAWN	CHECKER
SILK TMC SMOOTH GRAY ENAMEL OR BRUSHED NICKEL			R.P.S.	R.P.S.
FINISH & SPEC. NO.			ELEC. DES. APP.	MECH. DES. APP.

FINAL APPROVAL

FX-173 L

TMC F RM NO. 1 9

STANDARD DRAWING

DEFIANCE NO. 1080