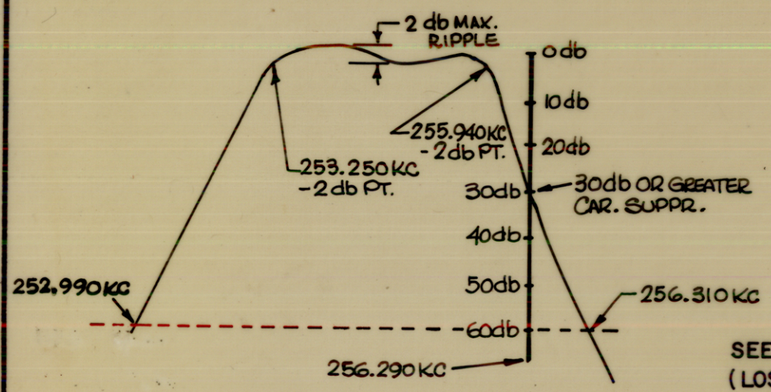
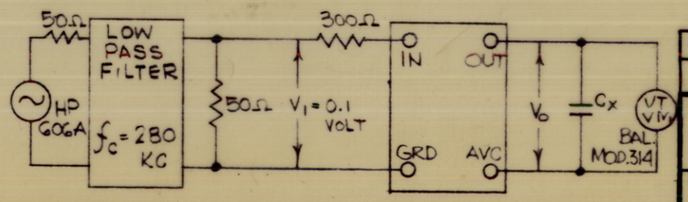
ELECTRICAL SPECIFICATIONS

1. TYPE: OUTER UPPER SIDEBAND
2. DB MEASUREMENTS: ALL DB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN PASSBAND.
3. CARRIER FREQUENCY: 256.290 KC
4. CARRIER SUPPRESSION: −30 DB OR GREATER.
5. −2 DB POINTS: 255.940 KC OR GREATER, 253.250 KC OR LESS.
6. −60 DB POINTS: 252.990 KC OR GREATER, 256.310 KC OR LESS.
   ALL RETURN LOBES AND SPURIOUS SHALL BE −60 DB OR GREATER, OVER THE RANGE OF ±50 KC FROM CARRIER FREQ.
7. MAX. PASSBAND RIPPLE: 2 DB
8. INSERTION (LOSS OR GAIN): −3DB ±1DB
9. INPUT IMPEDANCE: 300 OHMS (NOMINAL)
10. OUTPUT IMPEDANCE: (NOT TO EXCEED 50 K OHMS INTERNALLY TERMINATED) CX = 10.5 pf
11. D.C. RESISTANCE ACROSS OUTPUT: NOT TO EXCEED 5K OHMS
12. PASSBAND RESPONSE VS TEMPERATURE:
    ±1.0 DB FROM +15°C TO +55°C
    ±1.5 DB FROM −30°C TO +15°C
    ±3.0 DB FROM −40°C TO −30°C
13. ENVELOPE DELAY SHALL NOT EXCEED ±350 MICROSECONDS FROM NOMINAL OVER 80 PER CENT OF THE FILTER PASSBAND.

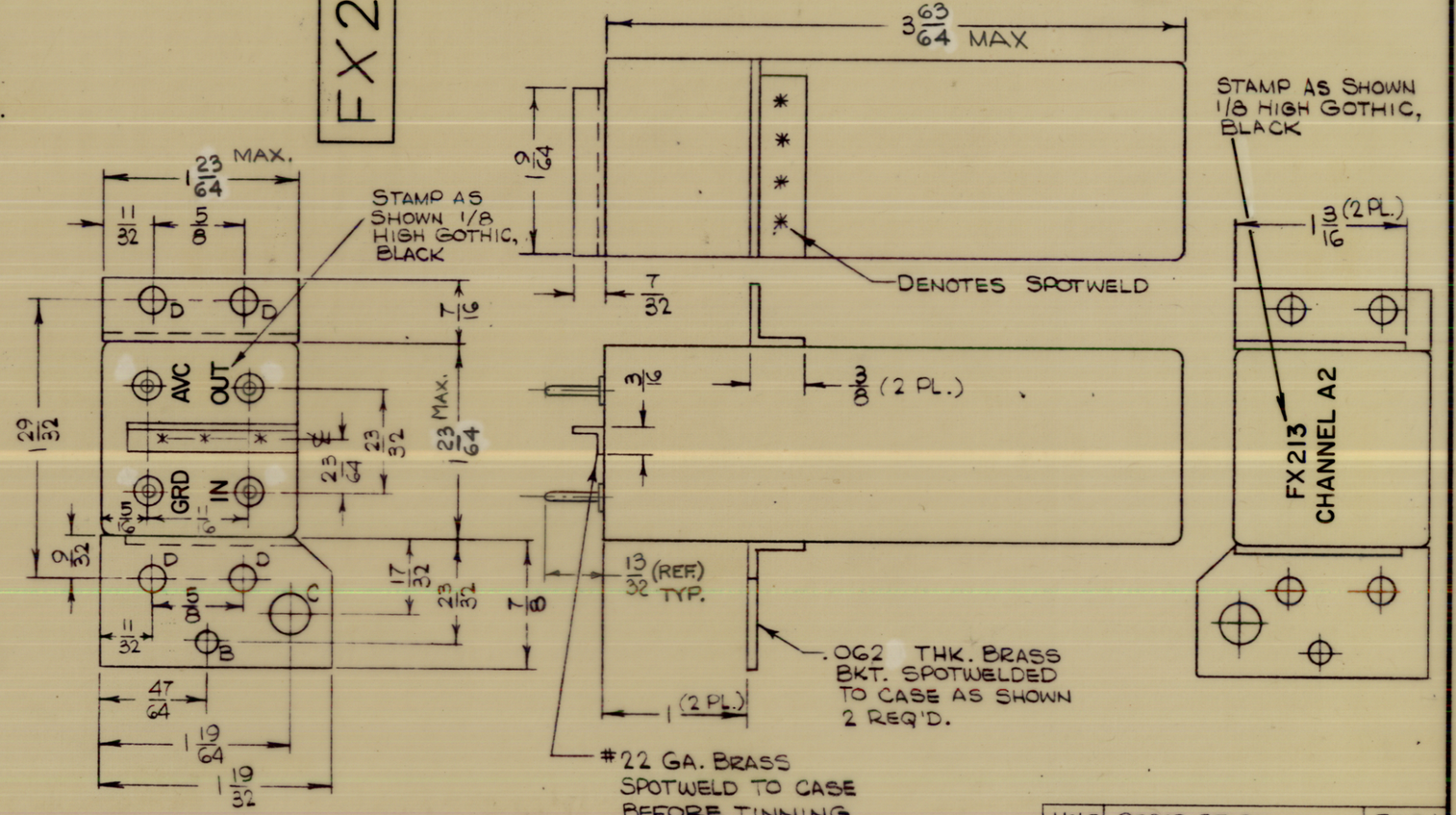


SEE TEST PROCEDURE S764. INSERTION (LOSS OR GAIN) = $\pm(V_o - V_i)$ IN DB



REVISIONS						
SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
Ø	ORIGINAL RELEASE FOR PROD.	2/21/66				
A	REVISED PER EMN	6-23-66	16643	AB		

FX213 A



NOTE: TERMINAL DIM. ARE REF.

HOLE	DESCRIPTION	REQ.
B	5/32 DIA.	1
C	9/32 DIA.	1
D	3/16 DIA	4

REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL

LIST OF MATERIAL

MATERIAL: BRASS

FINISH: HOT TIN DIP S115 TMC SMOOTH GREY ENAMEL - SEE MTG. BRKT. NOTE

THE TECHNICAL MATERIEL CORP.
MAMARONECK, NEW YORK

TITLE: FILTER CRYSTAL, ASYMMETRICAL OUTER UPPER SIDEBAND

DRAWN H. AUSTIN	DATE 7-28-65	FINAL APPROVAL	DATE 2/21/66
CHECKED	DATE		
ELECT. DES.	DATE	FX213	A
MECH. DES.	DATE	SHEET	REV. LTR.

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'

Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
1	MSAA-1	

SCALE: — CODE: C

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FINISH: MOUNTING BRACKETS
DO NOT PAINT EDGES, TOP AND BOTTOM SURFACES OF MOUNTING BRACKETS.

NOTES