

REVISIONS							
E.M.N. NO.	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
	PH			V1		12-14-77	
	PH			X2	REV SPECIFICATIONS	1-4-78	
	GDL			X3	REVISED & UPDATED	3-16-78	
	GDL	WJB		Ø	ORIGINAL RELEASE FOR PRODUCTION	6-5-78	*

EQ 298
3 KHz UPPER
SIDEBAND FILTER

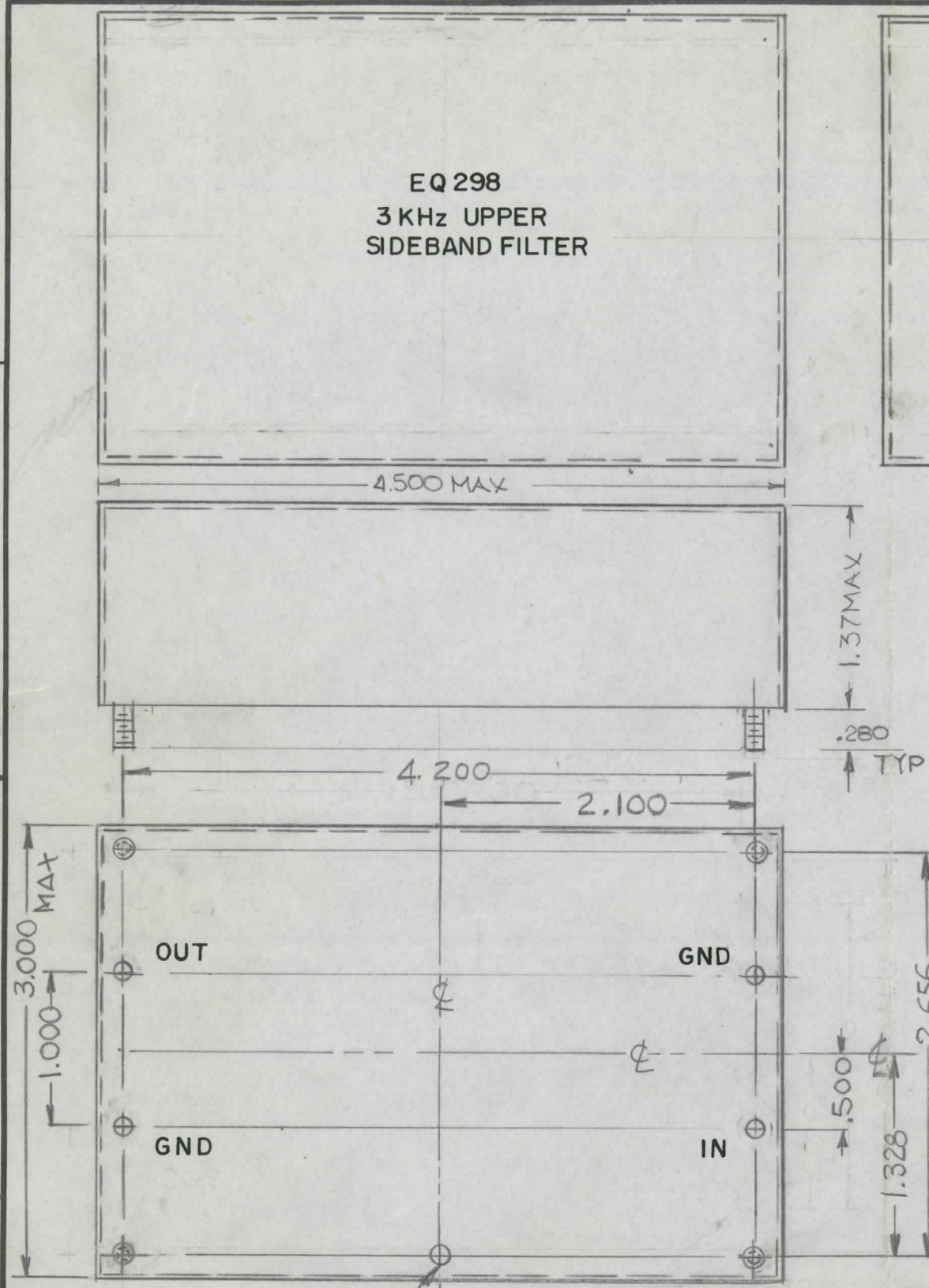
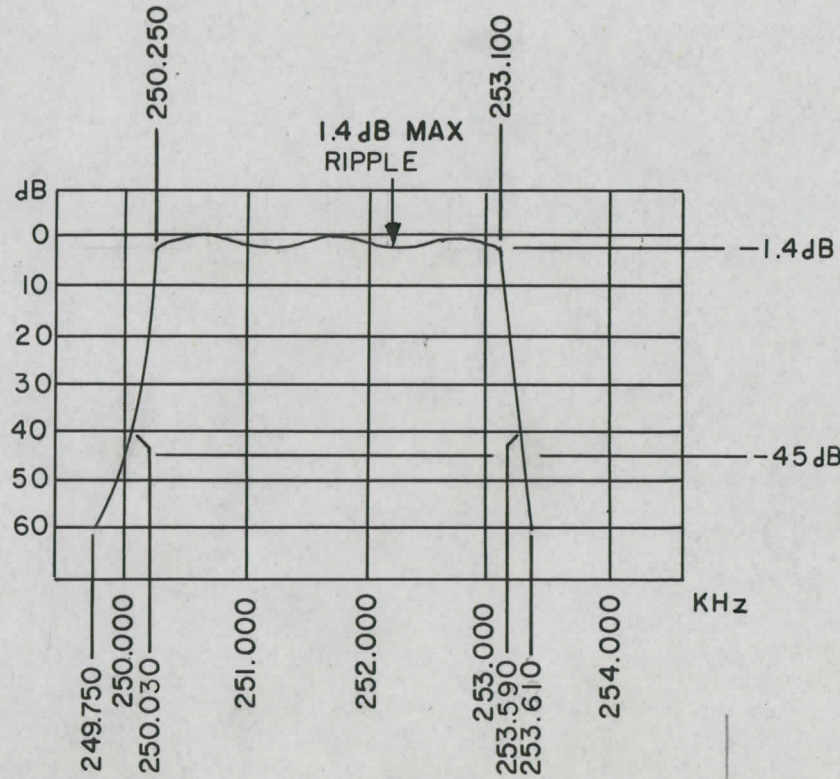
SPECIFICATIONS

ELECTRICAL:

TYPE: UPPER SIDEBAND
 CARRIER FREQUENCY: 250 KHz
 CARRIER SUPPRESSION: -45 dB OR GREATER
 -1.4 dB POINTS: 250.250 KHz MAX. 253.100 KHz MIN.
 UNWANTED SIDEBAND ATTENUATION: GREATER THAN -60 dB
 INCLUDING ALL RETURN LOSSES AND SPURIOUS.
 MAXIMUM PASSBAND RIPPLE: 1.4 dB
 INSERTION LOSS: 10 dB MAX.
 INPUT AND OUTPUT IMPEDANCE: 1.0 K UNBALANCED
 TEMPERATURE RANGE: 0° C TO +70° C
 ENVELOPE DELAY DIST. LESS THAN:
 8 ms WITHIN 300 Hz AND 3020 Hz (ABSOLUTE DELAY)
 1000 µs WITHIN 400 Hz AND 3000 Hz
 500 µs WITHIN 600 Hz AND 2900 Hz
 150 µs WITHIN ANY 100 Hz STEP FROM 480 Hz TO 3050 Hz
 1000 µs WITHIN 300 Hz AND 400 Hz
 200 µs WITHIN 3050 Hz AND 3150 Hz

MECHANICAL:

CASE: STEEL, HERMETICALLY SEALED
 FINISH: BRUSHED NICKEL OR POWDER BLASTED BRIGHT NICKEL
 MOUNTING: 4-40X .280 STUDS (4 REQ.)
 TERMINAL: .040 DIA PIN TYPE. BRASS, SILVER PLATED,
 BEAD INS.



REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				

QTY / UNIT	MODEL USED ON	ASS'Y NO.
1	M.M.X	
APPLICATION		
S401-527	CODE	

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	FINAL APPROVAL * [Signature]	DATE 6/2/78
DECIMALS .X ± .05 .XX ± .01 .XXX ± .005	FRACTIONS 1/64 ANGLES 0° -30'	ELECT. DES. DATE
MATERIAL	CHECKED	DATE
FINISH	DRAWN P.H.	DATE 11-14-77

THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK			
UPPER SIDEBAND FILTER BANDPASS 3KHz (EQUALIZED)			
SIZE B	CODE IDENT. NO. 82679	DWG NO. EQ298	ISSUE X3
SCALE FULL		SHEET OF	