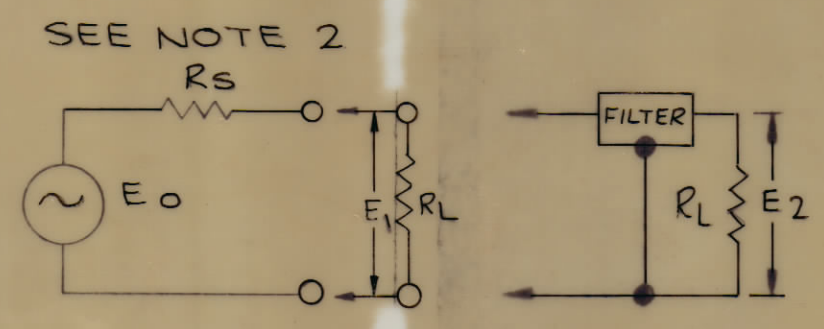
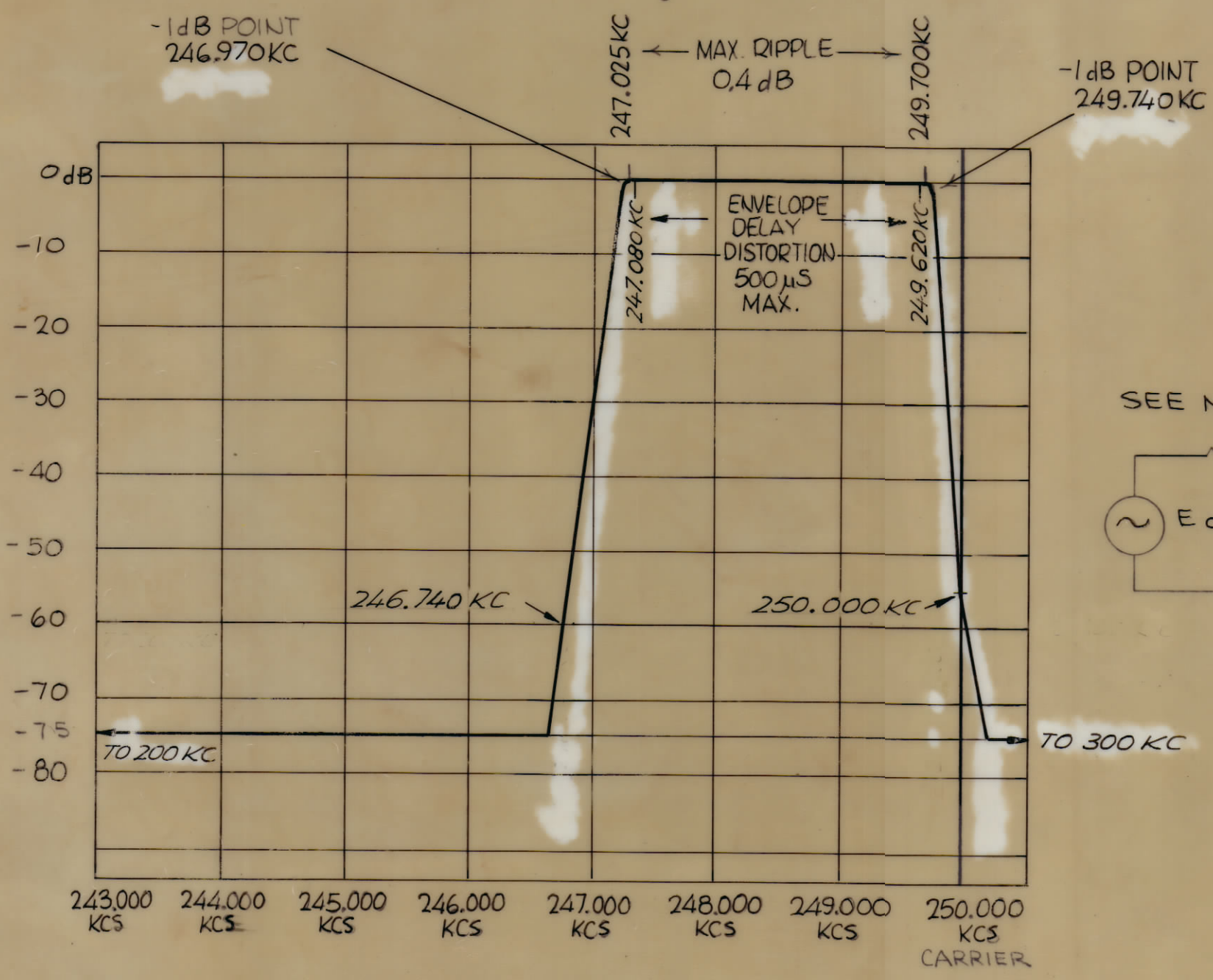


SYM	ZONE	DESCRIPTION	DATE	E.M.N.O.	DRAFT	CHKD	APPD
X		EXPERIMENTAL RELEASE	10/3/66	X	RME		
X1		SPECS. CLARIFIED	10/27/66	X1	RHE		
X2		COMPLETELY REVISED CASE	11-22-66	X2	RME		
S		ORIGINAL RELEASE FOR PRODUCTION	11-23-66		WJ		
A		DELETED "STAINLESS STEEL STUDS"	12-9-66	17427	RME		
B		SPEC. 13 WAS "60dB"	4-4-67	18077	WJ		
C		REVISED PICT. DIM.	2-4-69	19312	SE		
D		SPECS & DIAGRAM COMPL. REV.	9/9/69	19595	LH		
E		ADD * NOTE	12-2-70	19748	MD		

*SPECIFICATIONS

- TYPE: INNER, LOWER SIDEBAND
- dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASSBAND
- CARRIER FREQUENCY: 250 KCS
- CARRIER SUPPRESSION: AT LEAST 60 dB
- 1dB POINTS: ≤ 246.970 KC AND ≥ 249.740 KC
- 60dB POINTS: NOT LOWER THAN 246.740 KC AND -55 dB AT 250 000 KC
- INSERTION LOSS 4dB MAX
- SOURCE AND LOAD IMPEDANCE: $500 \pm 5\%$ OHMS
- RIPPLE: 0.4 dB MAX BETWEEN 247.025 KC AND 249.700 KC
- ALL SPURIOUS RESPONSES AND RETURN LOBES AT LEAST 60dB DOWN BETWEEN 200KCS AND 500KCS
- OPERATING TEMPERATURE: 0° TO 65°C
- MAX. ENVELOPE DELAY DISTORTION: 500 μ S BETWEEN 247.080 KC AND 249.620 KC & 1000 μ S BETWEEN 247.070 KC AND 246.980 KC
- THIRD ORDER, IN-BAND INTERMODULATION DISTORTION WILL BE AT LEAST 65 dB DOWN FROM THE REFERENCE LEVEL OF EITHER OF TWO EQUAL 100 mv TONES IN THE FILTER PASSBAND, SELECTED IN A MANNER SUCH THAT THE THIRD ORDER-PRODUCT FALLS IN THE FILTER PASSBAND.
- MAXIMUM SIGNAL INPUT: 3 VOLTS rms
- NON-OPERATING TEMP RANGE: -62°C TO +75°C
- PEAK SHOCK CAPABILITY: 20 G WITHIN A PERIOD OF 10 MILLISECONDS APPLIED ALONG THREE MUTUALLY PERPENDICULAR AXES
- VIBRATION CAPABILITY: 5 CPS TO 50 CPS AT AN AMPLITUDE OF 1.3 G



NOTE 1 CHANNEL DESIGNATION REFERS TO 250 KCS. FURTHER SIDEBAND INVERSIONS MUST BE TAKEN INTO ACCOUNT IN DETERMINING THE FINAL CHANNEL DESIGNATION.

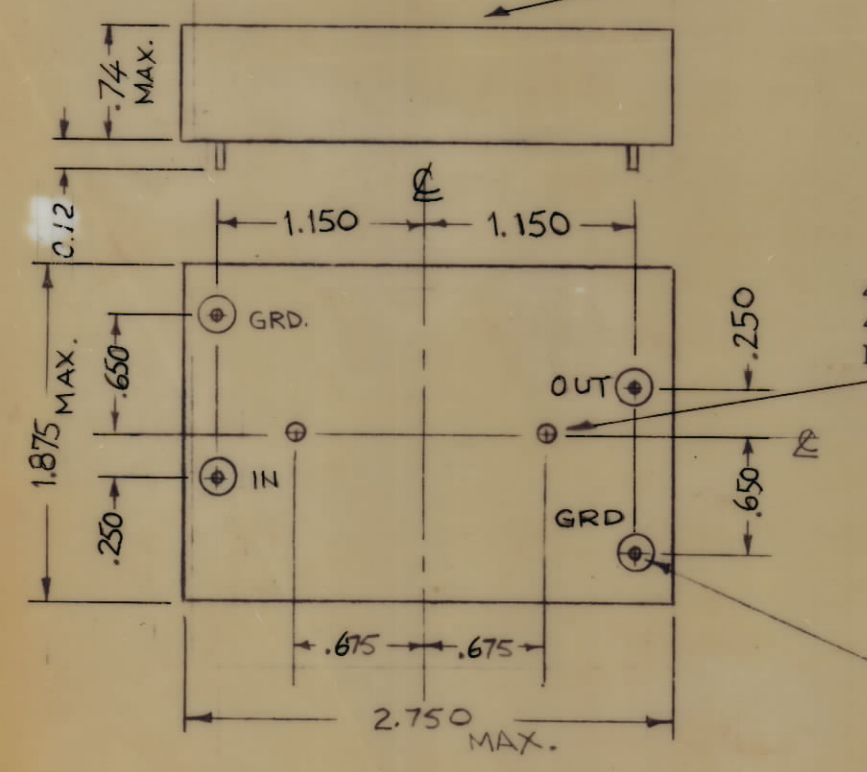
2 INSERTION LOSS IS DEFINED AS $20 \log A$, WHERE $A = |E_1| / |E_2|$, R_s = SOURCE IMPEDANCE, R_L = LOAD IMPEDANCE SEE SKETCH. E_0 IS FIXED AT ANY FREQUENCY IN THE PASSBAND OF THE FILTER

MARKING PROCESS: AS PER TMC SPECIFICATION S727
 LETTERING: 1/8 HIGH BLACK GOTHIC, LOCATED AS SHOWN

*THIS UNIT MUST BE MATCHED BY MFR SERIES NO. WITH EQ260 & BOTH TESTED AS A PAIR

LETTERING AND TMC P/N W/LATEST REV LETTER

THE TECHNICAL MATERIEL CORP
 MAMARONECK NEW YORK
 FX 260-



MECHANICAL SPEC
 CASE:
 MATERIAL: 24 GA (.022) CRS STEEL
 DIMENSIONS: AS SHOWN
 FINISH: POWDER BLASTED NICKEL
 MARKING: AS INDICATED
 UNIT TO BE HERMETICALLY SEALED

TERMINALS— 4 PL
 STEEL WIRE .040 DIA OR EQUIVALENT,
 GLASS OR TEFLON INSULATION

MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.

QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
HOGAN BILL OF MATERIAL				
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON FRACTIONS DECIMALS ANGLES				
$\pm 1/64$ $\pm .005$ $\pm 1/2^\circ$				
MATERIAL		THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK		
FINISH		BANDPASS FILTER, CHANNEL B1		
CONTRACT NO.		CODE	SIZE	DWG. NO.
		82679	C	FX260
		SCALE	SHEET OF	
			F	