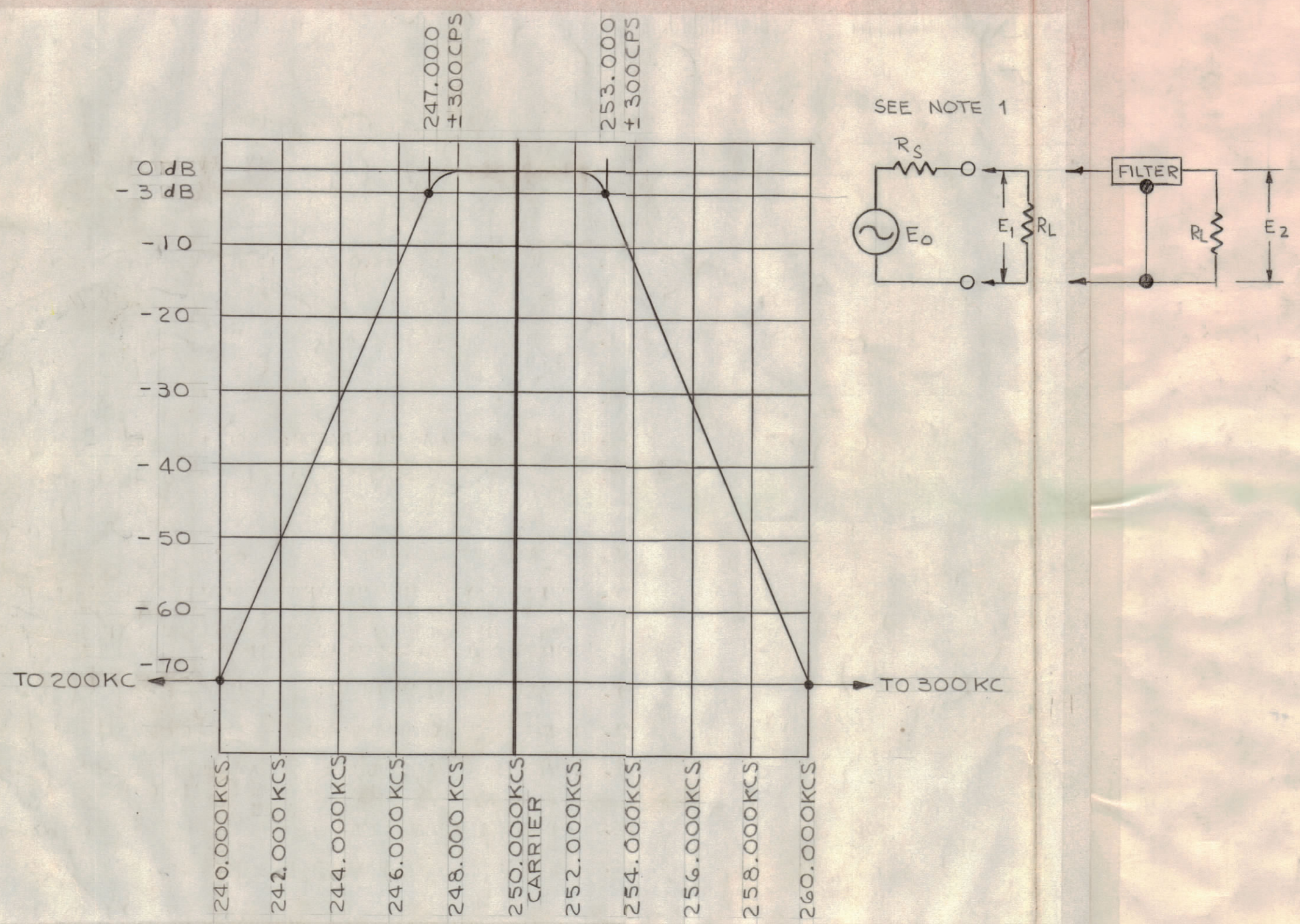


REVISIONS						
SYM	ZONE	DESCRIPTION	DATE	E.M.N.NO	DRAFT	CHKD
X		EXPERIMENTAL RELEASE	10/3/66	X	RME	
X1		SPECS. ADDED & REVISED	10/19/66	X1	CV	
X2		COMPLETELY REVISED	11-22-66	X2	RME	
Ø		ORIGINAL RELEASE FOR PRODUCTION	11-23-66	Ø	WHO	
A		DELETED "STAINLESS STEEL STUDS"	12-9-66	174-27	RME	
B		SPEC 9 WAS "60dB"	4-4-67	18077	NEA	
C		REVISED PICT. DIM.	2-3-69	19312	GE	



SPECIFICATIONS

- TYPE: SYMMETRICAL, 6 KC BANDWIDTH
- dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASSBAND.
- 3dB POINTS: 247.000 KC ± 300 CPS AND 253.000 KC ± 300 CPS
- 70dB POINTS: NOT LOWER THAN 240.000 KCS AND NOT HIGHER THAN 260.000 KCS
- INSERTION LOSS 6 dB MAX.
- SOURCE AND LOAD IMPEDANCE: 500 ± 50 OHMS
- ALL SPURIOUS RESPONSES AT LEAST 70 dB DOWN FROM 200 KCS TO 240 KCS AND 260 KC TO 300 KC; AT LEAST 60 dB DOWN FROM 300 KC TO 5000 KC
- OPERATING TEMPERATURE: 0° TO 65°C
- 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 TEMPERATURE 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
- RIPPLE: 0.5 dB MAXIMUM BETWEEN 248.500 KCS & 251.500 KCS

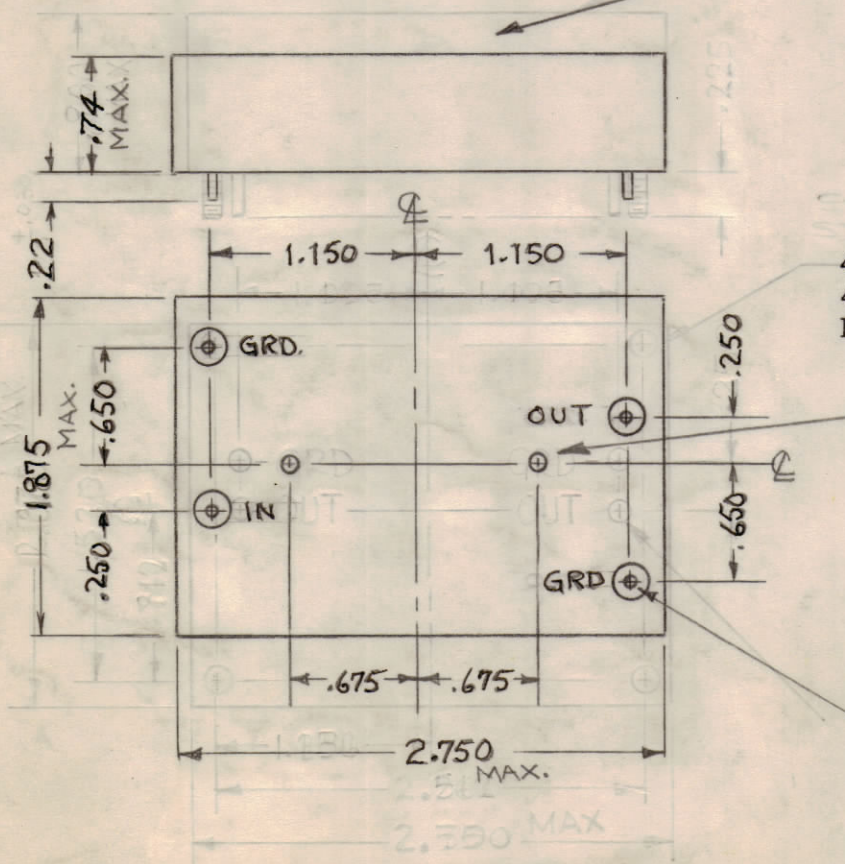
NOTE 1: INSERTION LOSS IS DEFINED AS 20 LOG A, WHERE $A = \frac{|E_1|}{|E_2|}$
 $R_s =$ SOURCE IMPEDANCE E_0 IS FIXED IN THE PASSBAND OF THE FILTER

MARKING PROCESS: AS PER TMC SPECIFICATION S727

LETTERING: 1/8 HIGH BLACK GOTHIC, LOCATED AS SHOWN

LETTERING & TMC P/N W/LATEST REV LETTER

THE TECHNICAL MATERIEL CORP.
 MAMARONECK NEW YORK
 FX 259-



4-40 UNC-2B
 4 FULL THREADS
 DEEP-2 PLACES
 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 ±1/64 ±.005 ± 1/2°				
FINAL APPROVAL		DATE	THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
MECH. DES.		DATE		
ELECT. DES.		DATE		
MATERIAL		CHECKED	DATE	BANDPASS FILTER, 6 KC SYMMETRICAL - MODEL
FINISH		DRAWN	DATE	
APPROVED FOR BUSHIPS		CODE	SIZE	DWG. NO.
CONTRACT NO.		82679	C	FX259
		SCALE	SHEET OF	
			C	