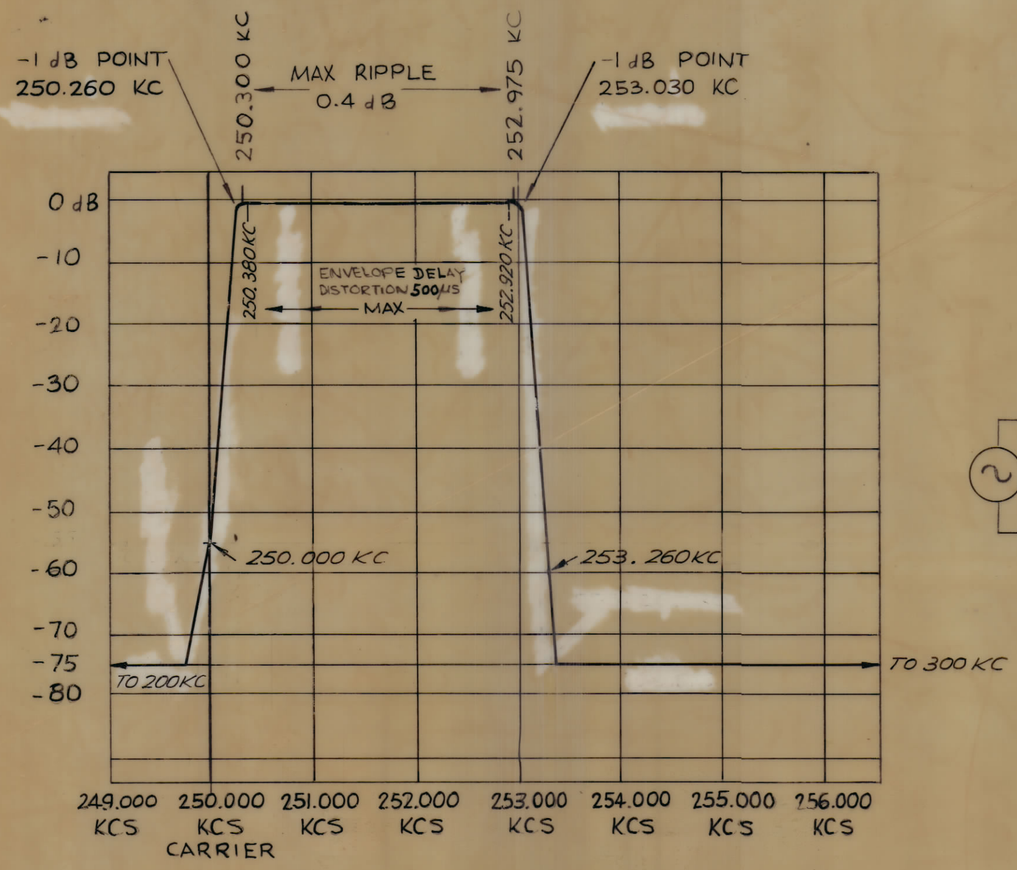
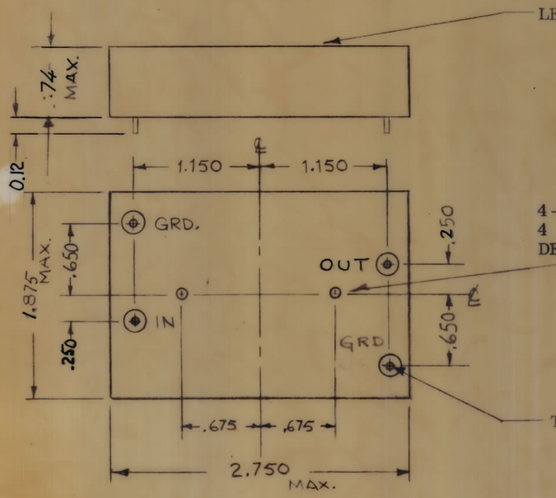
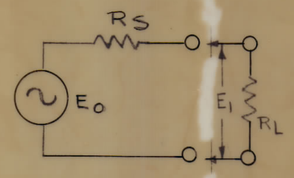
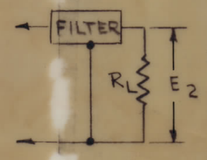
REVISIONS							
SYM	ZONE	DESCRIPTION	DATE	E.M.N.NO.	DRAFT	CHKD	APPD
X		EXPERIMENTAL RELEASE	4/13/66	X	RME		
X_1		Specs. changed	10/17/66	X_1			
X_2		COMPLETELY REVISED CASE	11/23/66	X_2	RME		
0		ORIGINAL RELEASE FOR PRODUCTION	11/23/66	0	WFW		
A		DELETED "STAINLESS STEEL STUDS"	12-9-66	17427	RME		
B		SPEC 13 WAS "60dB"	4-4-67	18077			
C		REVISED PICT DIM.	2-4-69	19312	GE		
D		SPECS & DIAGRAM COMPL. REV.	9/9/69	19595	KH		
E		ADD * NOTE	2-2-70	19748	KD		
F		CHG. TERM. LENGTH	7-6-71	20420	RH		



*THIS UNIT MUST BE MATCHED BY MFR SERIES NO. WITH EQ263 & BOTH TESTED AS A PAIR







* SPECIFICATIONS

1. TYPE: INNER, UPPER SIDEBAND
2. dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASSBAND
3. CARRIER FREQUENCY: 250 KCS
4. CARRIER SUPPRESSION: AT LEAST 60 dB
5. -1dB POINTS: ≦ 250.260 KC AND ≧ 253.030 KC
6. -60dB POINTS: NOT HIGHER THAN 253.260KC AND -55 dB AT 250.000 KC
7. INSERTION LOSS 4 dB MAX
8. SOURCE AND LOAD IMPEDANCE: 500 ±5% OHMS
9. RIPPLE: 0.4 dB MAX BETWEEN 250.300 KC AND 252.975 KC
10. ALL SPURIOUS RESPONSES AND RETURN LOBES AT LEAST 60dB DOWN BETWEEN 200KCS AND 5000KCS
11. OPERATING TEMPERATURE: 0° TO 65°C
12. MAX. ENVELOPE DELAY DISTORTION 500 µS BETWEEN 250.380 KC AND 252.920 KC
    1000 µS BETWEEN 252.930 KC AND 253.020 KC
13. 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.
14. MAXIMUM SIGINAL INPUT: 3 VOLTS rms.
15. NON-OPERATING TEMPERATURE RANGE -62°C TO +75°C
16. PEAK SHOCK CAPABILITY: 20G WITHIN A PERIOD OF 10 MILLISECONDS APPLIED ALONG THREE MUTUALLY PERPENDICULAR AXES.
17. VIBRATION CAPABILITY: 5 CPS TO 50CPS AT AN AMPLITUDE OF 1.3G.

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 IMP. 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, AS SHOWN

QTY REQ	ITEM	PART NO.	DESCRIPTION	SYMBOL
		HOGAN	BILL OF MATERIAL	

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

MATERIAL

FINISH

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

FINAL APPROVAL		DATE 11/23/66
MECH. DES.		DATE
ELECT. DES.		DATE
CHECKED		DATE
DRAWN	WFW	DATE 9.29.66
APPROVED FOR BUSHIPS		
CONTRACT NO.		

THE TECHNICAL MATERIEL CORP.
MAMARONECK. NEW YORK

BANDPASS FILTER
CHANNEL A1

CODE	SIZE	DWG. NO.	ISSUE
82679	C	FX263	F
SCALE			SHEET OF