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REVISIONS							
E.M.N. NO.	DRAFT	CHKD	ZONE	LTR	DESCRIPTION	DATE	APPROVED
	PH			X1		2-14-77	
	PH			X2	TRV CASE AND DESIG	10-18	
	PH			X3	DIM 3.00 WAS 2.60	4-4-78	

EQ301  
BANDPASS FILTER  
CARRIER FREQUENCY 1750 KHz

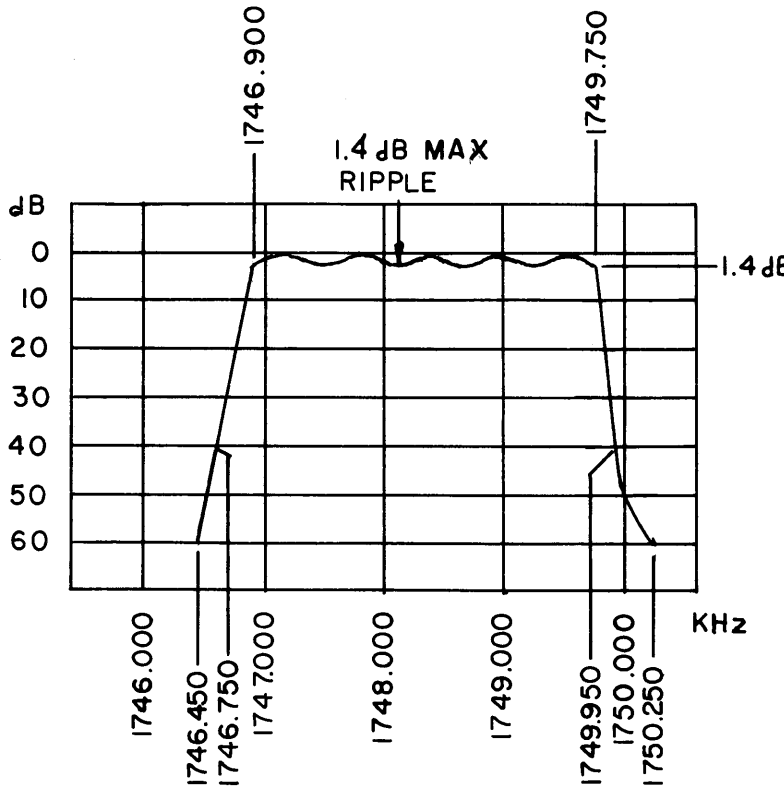
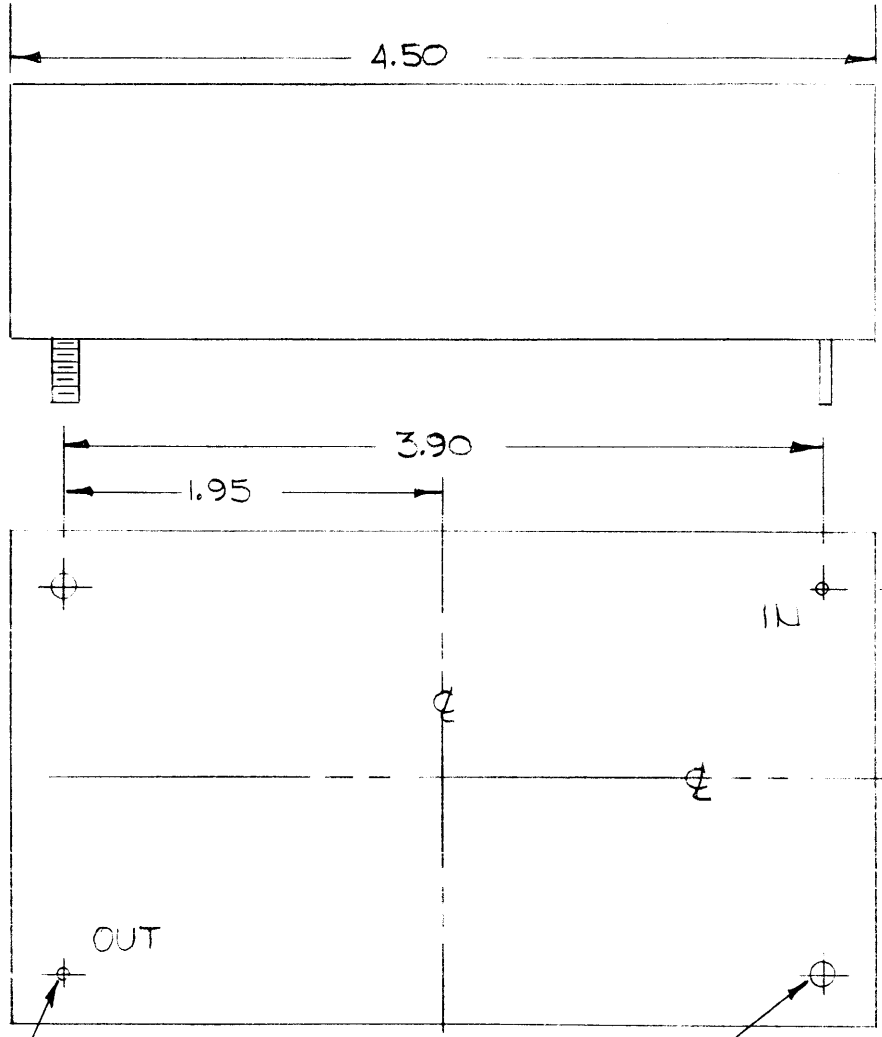
MARKING PROCESS: AS PER TMC SPECIFICATION S727  
LETTERING: 1/8 HIGH BLACK GOTHIC, LOCATED AS SHOWN

SPECIFICATIONS

**ELECTRICAL**  
 TYPE: INNER LOWER SIDEBAND  
 dB MEASUREMENTS: ALL dB MEASUREMENTS ARE RELATIVE TO MAXIMUM SIGNAL RESPONSE IN THE PASS BAND  
 CARRIER FREQUENCY: 1750 KHz  
 CARRIER SUPPRESSION: AT LEAST 50 dB  
 -1.4 dB POINTS: NOT HIGHER THAN 1747.000 KHz AND NOT LOWER THAN 1749.750 KHz  
 -60 dB POINTS: 1746.450 KHz AND 1750.020 KHz  
 MAXIMUM PASSBAND RIPPLE: 1.4 dB  
 INSERTION LOSS OR GAIN: 6 dB MAXIMUM  
 INPUT IMPEDANCE: 500 OHMS  
 OUTPUT IMPEDANCE: 500 OHMS  
 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 400 Hz TO 3050 Hz  
 600 us WITHIN 300 Hz AND 400 Hz  
 3 ms WITHIN 3050 Hz AND 3150 Hz

**MECHANICAL**  
 CASE: STEEL, HERMETICALLY SEALED

NOTE: CHANNEL DESIGNATION REFERS TO 1.75 MHz. FURTHER SIDEBAND INVERSIONS MUST BE TAKEN INTO ACCOUNT IN DETERMINING THE FINAL CHANNEL DESIGNATION.



REQ'D	ITEM	PART NUMBER	DESCRIPTION	SYM.
LIST OF MATERIAL				
<b>THE TECHNICAL MATERIEL CORP.</b> MAMARONECK, NEW YORK				
BANDPASS FILTER CHANNEL B1 (EQUALIZED)				
SIZE	CODE IDENT. NO.	DWG NO.	ISSUE	
B	82679	EQ301	X3	
SCALE	FULL	SHEET	OF	

QTY / UNIT	MODEL USED ON	ASS'Y NO.
	CMR-4B	
APPLICATION		
	CODE	

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES	
DECIMALS	FRACTIONS
.X ± .05	1/64
.XX ± .01	TOLS. ANGLES
.XXX ± .005	0° .30'
MATERIAL	
FINISH	

FINAL APPROVAL	DATE
MECH. DES.	DATE
ELECT. DES.	DATE
CHECKED	DATE
DRAWN PH	DATE 11-14-77