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THE TECHNICAL MATERIEL CORPORATION  
MAMARONECK, NEW YORK

CH-227

**REVISIONS**

SYM	DESCRIPTION	DATE	E.M.N. NO.	DRAFT	CHKD	APPD
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TUBE	TYPE	FUNCTION	SOCKET PIN NUMBERS								
			-1	2	3	4	5	6	7	8	9
V7007, 8 V7015, 16	6AK6	DC AC POWER AMPLIFIER	NA 6.2	10.0 NA	NA 3.15	NA 3.15	185.0 60.0	200.0 NA	10.0 NA		
V7006 V7014	12AX7	DC AC PHASE INVERTER & 3RD. AMPLIFIER	175.0 6.2	15.0 7.6	17.0 7.2	NA 3.15	NA 3.15	150.0 7.6	NA 0.42	1.1 0.23	NA 3.15
V7005 V7013	12AX7	DC AC 1 ST. & 2ND. AMPLIFIER	110.0 0.42	NA 0.32	0.9 0.3	NA 3.15	NA 3.15	90.0 0.8	NA 0.066	0.92 NA	NA 3.15
V7004 V7012	6C4	DC AC CATHODE FOLLOWER	100.0 NA	NA NA	NA 3.15	NA 3.15	100.0 NA	30.0 0.1	35.0 0.066		
V7003 V7011	6BA7	DC AC PRODUCT DETECTOR	90.0 NA	6.8 9.5	1.0 1.4	NA 3.15	NA 3.15	1.0 1.4	NA 0.057	NA NA	140.0 3.6
V7001 V7009	6U8	DC AC BFO & ISOLATION AMPLIFIER	* 130.0 NA	0 0.9	100.0 NA	NA 6.3	NA 0	130.0 10.0	1.6 NA	* 0 NA	* -3.0 * 3.5
V7002 V7010	6BA6	DC AC IF ISOLATION AMPLIFIER	NA 1.0	2.3 NA	NA 3.15	NA 3.15	160.0 100.0	110.0 NA	2.3 NA		

**CONDITIONS: (SINGLE SIDE BAND SINGLE TONE)**

J7000 & J7007 TERMINATED WITH A 50Ω LOAD.  
E7001 & E7002 PIN 8 & PIN 10 TERMINATED WITH A 600Ω LOAD.  
S7003 & S7005 TO "IN" POSITION.  
LINE LEVEL IN POSITION TO OBTAIN 24 VOLT AC ACROSS R7047 & R7097.  
S7002 & S7004 IN SSB POSITION.  
INPUT: I.V.R.F. AT 250KC INTO J7003.  
INPUT: I.V.R.F. AT 250.2KC INTO J7001 & J7008.

NA - NOT APPLICABLE.

\* - S7002 & S7004 IN CW POSITION.

READINGS TO BE TAKEN WITH; HP V.T.V.M. MODEL 410B FOR DC MEASUREMENTS AND BALLANTINE MODEL 861 (AC VOLTS) FOR AC MEASUREMENTS OR EQUIVALENT.

3.15 VOLT AC FILAMENT READING DEPENDENT ON RELATIVE SETTING OF R7000 & R7051.

**NOTES**

HFA-1		
Q'TY./UNIT	MODEL USED ON	ASS'Y. NO.
SCALE	CODE	
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REQ'D.	ITEM	PART NUMBER	DESCRIPTION	SYMBOL
T. FAIOLA				
LIST OF MATERIAL				
MATERIAL			THE TECHNICAL MATERIEL CORP. MAMARONECK, NEW YORK	
FINISH			TITLE VOLTAGE CHART - MODEL-HFA-1	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES			DRAWN G.S.	DATE 5-11-62
			CHECKED	DATE
			MECH. DES. U.K. Faola	DATE
			FINAL APPROVAL	DATE
			CH-227	
			SHEET	REV. LTR.