

A

CH-161

TUBE	TYPE	FUNCTION	SOCKET PIN NUMBERS								
			1	2	3	4	5	6	7	8	9
V1	12AU7	AVC AMP-RECT.	-0.6	-0.6	0.4	6.3*	6.3*	104	0	2.3	6.3*
V2	6BA6	I.F. AMP.	0	2.8	6.3*	6.3*	140	110	2.8		
V3	6BE6	1st MIXER	-11.2	2.2	6.3*	6.3*	255	66	0		
V4	6BE6	2nd MIXER	-4	0.7	6.3*	6.3*	170	42	0		
V5	12AT7	2nd OSC.-AUD.AMP.	134	-30	0	6.3*	6.3*	60	0	0.7	6.3*
V6	6AQ5	AUDIO OUT.	NC	19	6.3*	6.3*	300	300	0		
V7	6AG5	1st OSC.	-1.7	0.44	6.3*	6.3*	60	83	NC		
V8	6J6	REACT. MOD.	60	60	6.3*	6.3*	0	0	1.8		
V9	12AU7	RELAY DRIVER-SIDE TONE GEN.	60	0	1.4	6.3*	6.3*	148	30	58	6.3*
V10	5Y3	RECTIFIER	NC	365	NC	365*	NC	365*	NC	365	
V11	0A2	VOLT. REG.	150	NC	NC	NC	150	NC	0		

## CONDITIONS:

ALL MEASUREMENTS TAKEN WITH V.T.V.M.

BFO - ON

SIDE BAND - MANUAL

NOISE LIMITER - OFF

AUDIO GAIN - CLOCKWISE

AVC - OFF

AVC - FAST

NO SIGNAL

NC = NO CONNECTION

\* = AC VOLTAGE

AC LINE VOLTAGE - 115 V.

ALL VOLTAGES TO GROUND EXCEPT AC  
FILAMENT VOLTAGES - ACROSS FILAMENTS

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MAMARONECK, NEW YORK

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
A	1	V6 DELE - V6 SYMBOL SHOWN WAS V6, V6 WAS V3, ETC.	9/12/58	439	16	PJK	JBR
TOLERANCES		SCALE:					
DEC. DIM. ±		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION.					
FRAC. DIM. ±		REMOVE ALL BURRS AND SHARP EDGES					
ANGULAR DIM. ±							

MSR-4

REQ.  
PER  
UNIT

MODEL

PROJECT NO.

ASSEMBLY NO.

DATE

USED ON

6-24-58

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP MAMARONECK, NEW YORK	
STOCK SIZE		VOLTAGE CHART	MODEL MSR-4
MATERIAL		6-24-58 PJK	JBR
TYPE & TEMPER. HEAT TREAT. SPEC.		DRAWN	CHECKED
FINISH & SPEC. NO.		ELEC. DES. APP.	MECH. DES. APP.
		CH-161	A