

CH-180

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.	-3.	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

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

**NOTICE TO PERSONS RECEIVING THIS DRAWING**  
This drawing is the property of The Technical Materiel Corporation and is loaned to you for your information only. It is not to be reproduced, copied, or used in any way without the written consent of The Technical Materiel Corporation. This drawing is subject to technical change without notice and is subject to technical change.

THE TECHNICAL MATERIEL CORPORATION  
MAMARONECK, NEW YORK

ISSUE	ITEM	CHANGED FROM	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
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				

MSR-3a

REQ. PER UNIT

MODEL

PROJECT NO.

ASSY. NO.

DATE

USED ON

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP MAMARONECK, NEW YORK	
	STOCK SIZE	VOLTAGE CHART MODEL MSR-3	
	MATERIAL		
	TYPE & TEMPER. HEAT TREAT. SPEC.	DRAWN: 10RILLO CHECKED: [Signature]	FINAL APPROVAL: [Signature]
	FINISH & SPEC. NO.	ELEC. DES. APP.	MECH. DES. APP.

CH-180