

CH-209

TUBE	TYPE	FUNCTION	SOCKET PIN NUMBERS													
			1	2		3		4		5		6	7	8		9
				DC	AC	DC	AC	DC	AC	DC	AC			DC	AC	
V100	6BA6	1st. I.F. AMP	-0.18	+1.30		+6.3	6.2	+6.3	6.2	270		75	+1.30			
V101	6BA6	2nd. I.F. AMP	-0.18	+1.25		+6.3	6.2	+6.3	6.2	270		75	+1.25			
V102	6BA6	3rd. I.F. AMP	0	+1.40		+6.3	6.2	+6.3	6.2	270		75	+1.40			
V103	6AL5	2nd. DET & AVC	0	-0.1		+6.3	6.2	+6.3	6.2	+3.6		0	-1.5			
V104	6T8	NOISE LIMITER & 1ST. AUDIO	7.5	-2.7		-1.9		+6.3	6.2	+6.3	6.2	NC	8.2	+5.6		+94
V105	6AQ5	AUDIO	0	+16.0		+6.3	6.2	+6.3	6.2	270		270	0			
V106	6J6	BFO REACT. MOD.	+47	+49		+6.3	6.2	+6.3	6.2	0		0	+1.6			
V107	6AQ5	BFO OSC.	-3.4	+0.4		+6.3	6.2	+6.3	6.2	+150		+70	+0.4			
V108	5Y3GT	RECT.		310	5.2				400			400*		310	5.2	
V109	0A2	VOLTAGE REG	+150							+150						
V110	6AB4	SQUELCH	7.5	NC		+6.3	6.2	+6.3	6.2	NC		-1.6	0			

**CONDITIONS:**

ALL MEAS. TAKEN WITH V.T.V.M., MODEL 410-B WITH TUNING DRAWER IN PLACE  
 HFO (SLAVE-MASTER) SW - HFO  
 AUDIO GAIN - CLOCKWISE  
 AVC MANUAL SW - AVC  
 NOISE LIMITER SW - ON  
 BFO SW - ON  
 RF GAIN - CLOCKWISE  
 BFO (SLAVE-MASTER) - BFO  
 SQUELCH - CLOCKWISE

NC = NO CONNECTION  
 \* = AC VOLTAGE

AC LINE VOLTAGE MAINTAINED AT 110 V. ALL VOLTAGES TO GROUND EXCEPT FILAMENT VOLTAGES (A.C.) - ACROSS FILAMENTS

**NOTICE TO PERSONS RECEIVING THIS DRAWING**

THE TECHNICAL MATERIEL CORPORATION claims proprietary right in the material disclosed hereon. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TECHNICAL MATERIEL CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.

Property of:  
 THE TECHNICAL MATERIEL CORPORATION  
 MAMARONECK, NEW YORK

SYM	DESCRIPTION	DATE	CH. NO.	DRAFTS	CHECKER	ENG. APP.
UNLESS OTHERWISE SPECIFIED:		SCALE:				
DIMENSIONS ARE IN INCHES		MAXIMUM ALLOWABLE TOLERANCES HAVE BEEN DETERMINED AND ANY DEVIATIONS WILL BE CAUSE FOR REJECTION. REMOVE ALL BURRS AND SHARP EDGES				
TOLERANCES ON FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1/2°		REQUIREMENTS: FFR-35				

REQ. PER UNIT	MODEL	SECTION	ASS'Y. NO.	DATE
	FFR-35			8-24-61
USED ON				

REQ. ITEM	PART NO.	DESCRIPTION	SYMBOL
		THE TECHNICAL MATERIEL CORP., MAMARONECK, NEW YORK	
STOCK SIZE		TUBE SOCKET VOLTAGES	
MATERIAL		FFR-35	
TYPE & TEMPER	HEAT TREAT. SPEC.	DRAWN	CHECKER
		wh	Jde
FINISH & SPEC. NO.		FINAL APPROVAL	
		CH-209	
ELEC. DES. APP.		MECH. DES. APP.	