



MODEL 227-228 AUXILIARY AMPLIFIERS

MODEL 29 VOLUME CONTROL

ITEM	PART NO.	VALUE	REMARKS
RESISTORS			
R-1	72072-12	10,000 OHMS	±10% 1/3 WATT
R-2	72082-12	27,000 OHMS	±10% 1/3 WATT
R-3	72090-12	22,000 OHMS	±10% 1/3 WATT
R-4	50386	50,000 OHMS	VOLUME CONTROL
R-5	50386	2,300 OHMS	VOLUME CONTROL
CAPACITORS			
C-1	73009-26	.004 MFD	±10% 600 W.V.
C-2	73010-26	.005 MFD	±10% 600 W.V.
C-3	73099-220	.5 MFD	±10% 200 W.V.
C-4	73014-22	.01 MFD	±10% 200 W.V.
C-5	73033-22	.01 MFD	±10% 200 W.V.
C-6	73014-22	.01 MFD	±10% 200 W.V.
CHOKES			
L-1	50395	7.0 HENRIES	
L-2	50538	.15 HENRIES	

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RESISTORS											
R-1	72240-31	100,000 OHMS	±5% 1/2 WATT	R-17	72114-12	560,000 OHMS	±10% 1/3 WATT	C-9	73003-26	.00075 MFD	±10% 600 W.V.
R-2	72114-12	560,000 OHMS	±10% 1/3 WATT	R-18	72050-12	200 OHMS	±10% 1/3 WATT	C-10	73002-46	.0005 MFD	±20% 600 W.V.
R-3	72280-31	680,000 OHMS	±5% 1/2 WATT	R-19	72080-12	22,000 OHMS	±10% 1/3 WATT	C-11		.30 MFD	±100%-10% 400 W.V.
R-4	72260-31	680,000 OHMS	±5% 1/2 WATT	R-20	72096-12	100,000 OHMS	±10% 1/3 WATT	C-12	49910	.40 MFD	±100%-10% 25 W.V.
R-5	72072-12	10,000 OHMS	±10% 1/3 WATT	R-21	72096-12	100,000 OHMS	±10% 1/3 WATT	C-13		.20 MFD	±100%-10% 25 W.V.
R-6	72240-31	100,000 OHMS	±5% 1/2 WATT	R-22	72240-31	100,000 OHMS	±5% 1/2 WATT	C-14	73014-64	.01 MFD	±30%-10% 400 W.V.
R-7	72120-12	1,000,000 OHMS	±10% 1/3 WATT	R-23	72312-12	100 OHMS	±10% 1 WATT	C-15	73033-640	.1 MFD	±30%-10% 400 W.V.
R-8	72244-31	150,000 OHMS	±5% 1/2 WATT	R-24	72907-2	15,000 OHMS	±10% 20 WATT	C-16	73033-640	.1 MFD	±30%-10% 400 W.V.
R-9	72048-12	1,000 OHMS	±10% 1/3 WATT	CAPACITORS				C-17	40150	.50 MFD	±50%-10% 400 W.V.
R-10	72108-12	270,000 OHMS	±10% 1/3 WATT	C-1	73033-62		MFD	TRANSFORMERS			
R-11	72114-12	560,000 OHMS	±10% 1/3 WATT	C-2	73004-26	.001 MFD	±10% 600 W.V.	T-1	47007		OUTPUT
R-12	40227	250,000 OHMS	±10% 1/3 WATT	C-3	73099-640	.5 MFD	±30%-10% 400 W.V.	T-2	47023	50-60 CYCLE	POWER
R-13	72204-31	3,300 OHMS	±5% 1/2 WATT	C-4	73014-64	.01 MFD	±30%-10% 400 W.V.	T-3	51219	25 CYCLE	POWER
R-14	72100-12	150,000 OHMS	±10% 1/3 WATT	C-5	73289-480	.8 MFD	±50%-10% 400 W.V.		51928	130 OHMS	S.P.D.
R-15	72080-12	22,000 OHMS	±10% 1/3 WATT	C-6	73020-64	.05 MFD	±30%-10% 400 W.V.	RELAY	40144	130 OHMS	S.P.D. OPTIONAL
R-16	72066-12	560 OHMS	±10% 1/3 WATT	C-7	73014-64	.01 MFD	±30%-10% 400 W.V.				
				C-8	73293-210	.20 MFD	±150%-10% 25 W.V.				

VOLTAGES & CURRENTS OF MODELS 227 & 228 AMPLIFIERS. ALL VOLTAGES MEASURED WITH 1000 OHMS PER VOLT VOLTMETER. ALL MEASUREMENT MADE WITH LINE AT 117 VOLTS 25 OR 60 CYCLE. VOLTAGE OVER 50 USE 500 VOLT SCALE.

AVERAGE PLATE & SCREEN VOLTAGE MEASURED TO CHASSIS				AVERAGE VOLTAGE ACROSS CONDENSER				
6L6G	PLATE	300 VOLTS DC	6L6G	SCREEN	27 MA DC	C-11	270 VOLTS DC	
6L6G	SCREEN	305 VOLTS DC	6SN7	PLATE (PIN #5)	34 MA DC	C-5	255 VOLTS DC	
6SN7	PLATE (PIN #5)	190 VOLTS DC	6SN7	PLATE (PIN #2)	11 MA DC	FILAMENT VOLTAGE		
6SN7	PLATE (PIN #2)	80 VOLTS DC	6S7	PLATE	0.6 MA DC	6L6G	6.3 VOLTS AC	
6S7	PLATE	80 VOLTS DC	6S7	SCREEN	0.2 MA DC	6SN7	6.3 VOLTS AC	
6S7	SCREEN	20 VOLTS DC	AVERAGE VOLTAGE ACROSS CONDENSER				6S7	6.3 VOLTS AC
AVERAGE PLATE & SCREEN CURRENT				C-17	305 VOLTS DC	FILAMENT VOLTAGES ARE 9.9 FOR ACCELERATED CATHODE HEATING WHEN FILAMENTS ARE COOL		
6L6G	PLATE	680 MA DC	C-13	20 VOLTS DC	5U4G	5.0 VOLTS AC		
			C-12	305 VOLTS DC				