RMA Release 234



POWER AMPLIFIER PENTODE (TENTATIVE DATA)

HEATER VOLTAGE (A.C. or D.C.) HEATER CURRENT	6.3 Volts 0.4 Ampere
MAXIMUM OVERALL LENGTH MAXIMUM SEATED HEIGHT MAXIMUM DIAMETER	3-5/32" 2-5/8" 1-1/4"
BULB BASE BASING DESIGNATION	T-9 Small Wafer Octalox 8-Pin with Sleeve 6AE
On Nominal value is 7 volts. Nominal value is 0.43 ampere.	

Amplifier - Class A

				*
PLATE VOLTAGE			315	max. *volts
SCREEN VOLTAGE			250	max. Volts
PLATE DISSIPATION			5 6	max. *Watts
			0.0	***************************************
SCREEN DISSIPATION			2.8	max. Watts
TYPICAL OPERATION and CHARACTI	ERISTICS:			
Heater Voltage #	6.3	4 2	6.3	volts
Plate Voltage		6.3		volts
	100	250	315	
Screen Voltage	100	250	250	Volts
Grid Voltage ##	-7	-18	-21	Volts
Peak A-F Grid Voltage	- 1			Volts
Zoro Ciocol Dioto Current	,	18	21	
Zero-Signal Plate Current	9	32	25.5	Milliamperes
MaxSignal Plate Current	9.5	3 2 3 3	28	Milliamperes
Zero-Signal Screen Current	1.6	5.5	-4	Milliamperes
MaxSignal Screen Current	***	10	3	Milliamperes
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Plate Resistance	104000	68000	75000	Ohms
Transconductance	1500	2300	2100	Micromhos
Load Resistance	12000	7600	9000	0 hm s
Total Harmonic Distortion	11	11	15	Per Cent
MaxSignal Power Output	0.35	3.4	4.5	watts
o.g onc. output	V • J U	2.4	4.5	11 4 5 5 5

Design maximum for 117-volt line.

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In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

The type of input coupling used should not introduce too much resistance in the grid circuit. Transformer— or impedance—input coupling devices are recommended. When the grid circuit has a resistance not higher than 0.1 megohm, fixed bias may be used; for higher values, cathode bias is required. With cathode bias, the grid circuit may have a resistance not to exceed 1.0 megohm.

Pin Connections

Pin 6 - Grid Pin 7 - Cathode Pin 8 - Heater Pin 1 - Heater Pin 1 - neate.
Pin 2 - Plate
Pin 3 - Screen
Pin 4 - No Connection
Pin 5 - No Connection Plug - No Connection

(Pin numbers are according to RMA system)

Operating Position

vertical or Horizontal - No restrictions