

BEAM-POWER PENTODE TYPE WL-7408

The WL-7408 is a glass octal beam-power pentode designed for service as an output amplifier tube in high quality sound systems. This tube is characterized by a plate voltage "knee" and cut-off voltage controlled to small variations.* These features enable the WL-7408 to possess uniformity of power-output performance with a minimum of harmonic distortion. The WL-7408 is a direct replacement for the 6V6-GT.

ELECTRICAL:

Cathode.....	Coated Unipotential
Heater:	
Voltage (ac or dc)	6.3 Volts
Current	0.45 Ampere
Direct Interelectrode Capacitances: (Unshielded)	
Grid 1 to Plate	0.7 $\mu\mu\text{f}$
Input	9.0 $\mu\mu\text{f}$
Output	7.5 $\mu\mu\text{f}$

MECHANICAL:

Bulb	T-9
Base	Intermediate-Shell Octal 7-Pin (JETEC B7-7)
Outline	9-41
Basing	7AC
Mounting Position	Any

MAXIMUM RATINGS:

Design Maximum Values

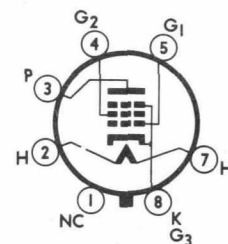
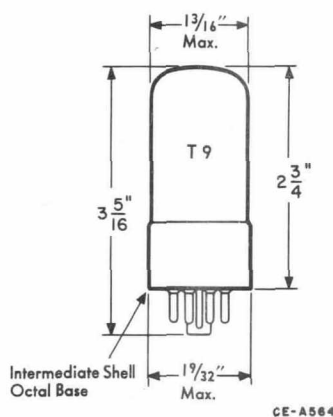
Plate Voltage	350 max.	Volts
Grid 2 Voltage (Screen)	315 max.	Volts
Plate Dissipation	14 max.	Watts
Grid 2 Dissipation	2.2 max.	Watts
Grid 1 Circuit Resistance:		
Fixed Bias	0.1 max.	Megohm
Cathode Bias	0.5 max.	Megohm

Max. Heater-Cathode Voltage

Heater Negative with Respect to Cathode		
Total DC + Peak	200	Volts
Heater Positive with Respect to Cathode		
DC Component	100	Volts
DC + Peak	200	Volts

CHARACTERISTICS AND TYPICAL OPERATION:

Plate Voltage	60	250	Volts
Grid 2 Voltage	250	250	Volts
Grid 1 Voltage	0	-12.5	Volts
Peak AF Control Grid Voltage	--	12.5	Volts
Zero-Signal Plate Current	100	45	Ma.
Max. Signal Plate Current	--	47	Ma.
Zero-Signal Grid 2 Current	22	4.5	Ma.
Max.-Signal Grid 2 Current	--	7	Ma.
Plate Resistance (approx.)	--	50000	Ohms
Transconductance	--	4100	μmhos
Load Resistance	--	5000	Ohms
Power Output	--	4.5	Watts
Total Harmonic Distortion (approx.)	--	7	Per Cent



AVERAGE PLATE CHARACTERISTICS

