



6A7

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# PENTAGRID CONVERTER

Heater ■ Coated Unipotential Cathode  
 Voltage 6.3 a-c or d-c volts  
 Current 0.3 amp.

Direct Interelectrode Capacitances:  
 Grid #4 to Plate 0.30 μf  
 Grid #4 to Grid #2 0.150 μf  
 Grid #4 to Grid #1 0.150 μf  
 Grid #1 to Grid #2 1.0 μf  
 Grid #4 to All Other Electrodes (R-F Input) 8.5 μf  
 Grid #2 to All Other Electrodes (Osc. Output) 5.5 μf  
 Grid #1 to All Other Electrodes (Osc. Input) 7.0 μf  
 Plate to All Other Electrodes (Mixer Output) 9.0 μf

Overall Length 4-9/32" to 4-17/32"  
 Seated Height 3-21/32" to 3-29/32" ←  
 Maximum Diameter 1-9/16"

Bulb ST-12

Cap Small Metal

Base Small 7-Pin▲

Pin 1 - Heater  
 Pin 2 - Plate  
 Pin 3 - Grids #3 & #5  
 Pin 4 - Grid #2  
 Pin 5 - Grid #1  
 Pin 6 - Cathode  
 Pin 7 - Heater  
 Cap - Grid #4



Mounting Position BOTTOM VIEW (7C) Any

*Maximum Ratings, Typical Operating Conditions, and Curves are the same as for Type 6A8.*

- 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.
- With shield-can connected to cathode.
- ▲ Requires different socket than medium 7-pin base.

← Indicates a change.