

# 25A6 25A6G

## RAYTHEON

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PENTODE  
POWER AMPLIFIER  
Heater Type  
Metal Bulb-25A6 Glass Bulb-25A6G

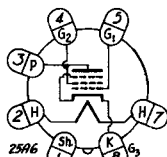
The 25A6 is a pentode type power amplifier tube designed for service in the output stage of a-c-d-c receivers. The ratings and electrical characteristics are identical with those of the type 43.

### RATINGS

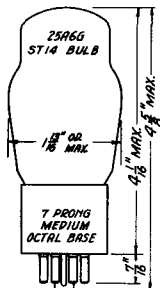
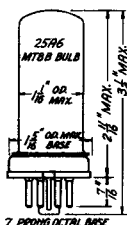
Heater Voltage (a-c or d-c) 25 volts  
Heater Current 0.3 amp  
Max. Plate Voltage 180 volts  
Max. Screen Voltage 135 volts

### AMPLIFIER - CLASS A

|                                |       |       |       |         |
|--------------------------------|-------|-------|-------|---------|
| Plate Voltage                  | 95    | 135   | 180   | volts   |
| Screen Voltage                 | 95    | 135   | 135   | volts   |
| Grid Bias                      | -15   | -20   | -20   | volts   |
| Amplification Factor (approx.) | 90    | 85    | 100   |         |
| Plate Resistance (approx.)     | 45000 | 35000 | 40000 | ohms    |
| Transconductance               | 2000  | 2450  | 2500  | μmhos   |
| Plate Current                  | 20    | 37    | 38    | ma      |
| Screen Current                 | 4     | 8     | 7.5   | ma      |
| Load Resistance                | 4500  | 4000  | 5000  | ohms    |
| Total Harmonic Distortion      | 11    | 9     | 10    | percent |
| Power Output                   | 0.9   | 2     | 2.75  | watts   |



BOTTOM VIEW OF SOCKET  
25A6G - NO CONNECTION  
TO #1 PIN



Heater to cathode bias should not exceed 90 volts d-c, as measured between the negative heater terminal and the cathode.

For additional curves refer to the type 43.

