



# 7A6 TWIN DIODE

## GENERAL DATA

### Electrical:

Heater, for Unipotential Cathodes:

Voltage. . . . . 6.3<sup>□</sup> . . . . . ac or dc volts  
Current. . . . . 0.15<sup>□□</sup> . . . . . amp

Direct Interelectrode Capacitances (Approx.):<sup>○</sup>

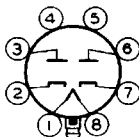
Plate to Cathode  
(Diode No.1) . . . . . 2.0 . . . . .  $\mu$ f  
Plate to Cathode  
(Diode No.2) . . . . . 2.6 . . . . .  $\mu$ f  
Plate of Diode No.1 to  
Plate of Diode No.2 . . . . . 0.1 max. . . . .  $\mu$ f

<sup>○</sup> With external shield connected to cathodes.

### Mechanical:

Mounting Position. . . . . Any  
Maximum Overall Length . . . . . 2-25/32"  
Maximum Seated Length. . . . . 2-1/4"  
Maximum Diameter . . . . . 1-3/16"  
Bulb . . . . . T-9  
Base . . . . . Lock-in 8-Pin  
Basing Designation for BOTTOM VIEW . . . . . 7AJ

Pin 1 - Heater  
Pin 2 - Cathode of  
Diode No.2  
Pin 3 - Plate of  
Diode No.2  
Pin 4 - No  
Connection



Pin 5 - Internal  
Shield  
Pin 6 - Plate of  
Diode No.1  
Pin 7 - Cathode of  
Diode No.1  
Pin 8 - Heater  
Plug - Base Shell

### Maximum Ratings, Design-Center Values (Each Diode):

RMS PLATE VOLTAGE. . . . . 150 max. volts  
PEAK PLATE CURRENT . . . . . 45 max. ma.  
DC OUTPUT CURRENT . . . . . 8 max. ma.  
PEAK HEATER-CATHODE VOLTAGE:  
Heater negative with respect to cathode. 330 max. volts  
Heater positive with respect to cathode. 330 max. volts

<sup>□</sup> Nominal voltage = 7.0 volts.

<sup>□□</sup> Nominal current = 0.160 ampere.