



7A6

7A6 TWIN DIODE

GENERAL DATA

Electrical:

Heater, for Unipotential Cathodes:

Voltage. 6.3[□] ac or dc volts

Current. 0.15^{□□} amp

Direct Interelectrode Capacitances (Approx.):[○]

Plate to Cathode
(Diode No.1) 2.0 μf

Plate to Cathode
(Diode No.2) 2.6 μf

Plate of Diode No.1 to
Plate of Diode No.2 0.1 max. μf

[○] 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

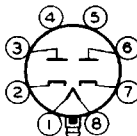
Basing Designation for BOTTOM VIEW 7AJ

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

[□] Nominal voltage = 7.0 volts.

^{□□} Nominal current = 0.160 ampere.