

Quadruple Diode

9-PIN MINIATURE TYPE

For Phase-Detector and Noise-Immune Color-Killer Circuits in Color-Television Receivers, and for FM-Stereo-Multiplex Equipment

Electrical:

Heater Characteristics and Ratings:

Voltage (AC or DC). 6.3 ± 0.6 volts

Current at heater volts = 6.3 0.600 amp

Peak heater-cathode voltage (Each unit):

Heater negative with respect to cathode. 300 max. volts

Heater positive with respect to cathode. 300 max. volts

Direct Interelectrode Capacitances (Approx.):^a

$P_{D1}+K_{D2}$ to K_{D1} 1.8 pf

$P_{D1}+K_{D2}$ to P_{D2} 2.2 pf

P_{D2} to (IS,H). 0.62 pf

$P_{D3}+K_{D4}$ to K_{D3} 1.9 pf

$P_{D3}+K_{D4}$ to P_{D4} 2.2 pf

P_{D4} to (IS,H). 0.94 pf

K_{D1} to (IS,H). 1.8 pf

K_{D3} to (IS,H). 1.9 pf

Mechanical:

Operating Position. Any

Type of Cathodes. Coated Unipotential

Maximum Overall Length. 2-3/16"

Maximum Seated Length. 1-15/16"

Length, Base Seat to Bulb Top (Excluding tip). . . 1-9/16" $\pm 3/32$ "

Diameter. 0.750" to 0.875"

Dimensional Outline See General Section

Bulb. T6-1/2

Base. Small-Button Noval 9-Pin (JEDEC No.E9-1)

Basing Designation for BOTTOM VIEW. 9PQ

Pin 1-Plate of Unit No.4

Pin 2-Plate of Unit No.3,
Cathode of Unit No.4

Pin 3-Cathode of Unit No.3

Pin 4-Heater

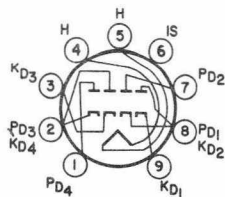
Pin 5-Heater

Pin 6-Internal Shield

Pin 7-Plate of Unit No.2

Pin 8-Plate of Unit No.1,
Cathode of Unit No.2

Pin 9-Cathode of Unit No.1



6JU8A

Maximum Ratings, Design-Maximum Values:

Values are for Each Unit

Peak Inverse Plate Voltage.	300 max.	volts
Peak Plate Current.	54 max.	ma
DC Output Current	9 max.	ma

Characteristics, Instantaneous Value:

Values are for Each Unit

Plate Current for plate volts = 10	60	ma
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^a Without external shield.

ARRANGEMENT OF DIODE UNITS

