

OD3



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# VOLTAGE REGULATOR

GLOW-DISCHARGE TYPE

## GENERAL DATA

### Electrical:

Cathode . . . . . Cold

### Mechanical:

Mounting Position . . . . . Any

Maximum Overall Length . . . . . 4-1/8"

→ Seated Length . . . . . 3-3/8" ± 3/16"

Maximum Diameter . . . . . 1-9/16"

Dimensional Outline . . . . . See General Section

→ Weight (Approx.) . . . . . 1.3 oz

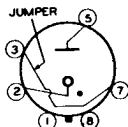
Bulb . . . . . ST-12

→ Base . . . . . Small-Shell Octal 6-Pin (JETEC No. B6-3)

Basing Designation for BOTTOM VIEW . . . . . 4AJ

Pin 1 - No Connection

Pin 2 - Cathode

Pin 3 - Jumper<sup>▲</sup>

Pin 5 - Anode

Pin 7 - Jumper<sup>▲</sup>

Pin 8 - No Connection

### Maximum and Minimum Ratings, Absolute Values:

AVERAGE STARTING CURRENT<sup>◆</sup> . . . . . 100 max. maDC CATHODE CURRENT . . . . . { 40 max. ma  
5 min. ma

→ FREQUENCY . . . . . 0 max. cps

AMBIENT-TEMPERATURE RANGE . . . . . -55 to +90 °C

### Circuit Values:

Shunt Capacitor . . . . . 0.1 max. μf

Series Resistor . . . . . See note below

### CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	Min.	Average	Max.	
DC Anode-Supply Voltage . . . . .	185 <sup>■</sup>	-	-	volts
Anode Breakdown Voltage . . . . .	-	160	185*	volts
Anode Voltage Drop . . . . .	142 <sup>●</sup>	153	165*	volts
Regulation (5 to 40 ma) . . . . .	-	4	5.5*	volts

<sup>▲</sup> With suitable socket connections, jumper within base acts as a switch to open power-supply circuit when voltage regulator tube is removed from socket.

<sup>◆</sup> Averaged over starting period not exceeding 10 seconds. This starting period must be followed by a steady state operating condition of at least 20 minutes, or tube performance will be impaired.

<sup>■</sup> Not less than indicated supply voltage should be provided to insure "starting" throughout tube life.

\* Maximum individual tube value during useful life.

● Minimum individual tube value during useful life.

The operating considerations and circuit information shown under Type OA<sub>3</sub> also apply to Type OD<sub>3</sub>

→ Indicates a change.