

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

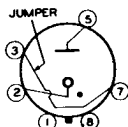
Bulb ST-12

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

Basing Designation for BOTTOM VIEW 4AJ

Pin 1—No Connec-
tion

Pin 2—Cathode

Pin 3—Jumper[▲]

Pin 5—Anode

Pin 7—Jumper[▲]Pin 8—No Connec-
tion

Maximum and Minimum Ratings, Absolute Values:

AVERAGE STARTING CURRENT 100 max. ma

DC 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.	Avg.	Max.	
DC Anode-Supply Voltage	185 [■]	—	—	volts
Anode Breakdown Voltage	—	160	185*	volts
Anode Voltage Drop	142 [●]	153	165*	volts
Regulation (5 to 40 ma)	—	4	5.5*	volts

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

[●] 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.

[■] 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 OA3 also apply to Type OD3

→ Indicates a change.