



OC3

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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" $\pm$ 3/16" ←

Maximum Diameter 1-9/16"

Dimensional Outline See General Section

Weight (Approx.) 1.3 oz ←

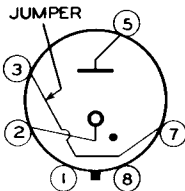
Bulb ST-12 ←

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

FREQUENCY { 5 min. ma

AMBIENT-TEMPERATURE RANGE 0 max. cps ←

-55 to +90 °C

Circuit Values:

Shunt Capacitor 0.1 max. μ f

Series Resistor See note below

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	Min.	Av.	Max.	
DC Anode-Supply Voltage	133 [■]	—	—	volts
Anode Breakdown Voltage	—	115	133 [*]	volts
Anode Voltage Drop	103 [●]	108	116 [*]	volts
Regulation (5 to 40 ma)	—	2	4 [*]	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 OC3

← Indicates a change.