



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

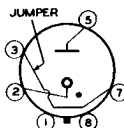
Bulb ST-12

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

Basing Designation for BOTTOM VIEW 4AJ

Pin 1 - No Connection

Pin 2 - Cathode

Pin 3 - Jumper[▲]

Pin 5 - Anode

Pin 7 - Jumper[▲]

Pin 8 - No Connection

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.