OD3
VOLTAGE REGULATOR
GLOW-DISCHARGE TYPE

GENERAL DATA

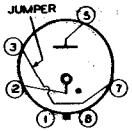
Electrical:

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▲



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
	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.	*Av.*	*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.

TUBE DIVISION
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