



OB2

VOLTAGE REGULATOR

MINIATURE GLOW-DISCHARGE TYPE

GENERAL DATA

Electrical:

Cathode. Cold

Mechanical:

Mounting Position. Any

Maximum Overall Length. 2-5/8"

Maximum Seated Length. 2-3/8"

Length, Base Seat to Bulb Top (Excluding tip). . . 2" $\pm$ 3/32"

Maximum Diameter. 3/4"

Weight (Approx.) 0.3 oz

Bulb T-5-1/2

Base Small-Button Miniature 7-Pin (JETEC No. E7-1)

Basing Designation for BOTTOM VIEW. 5B0

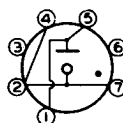
Pin 1 - Anode

Pin 2 - Cathode

Pin 3 - Internal

Connection-
Do Not Use

Pin 4 - Cathode



Pin 5 - Anode

Pin 6 - Internal

Connection-
Do Not Use

Pin 7 - Cathode

Maximum and Minimum Ratings, Absolute Values:

AVERAGE STARTING CURRENT $\blacklozenge$ 75 max. ma

DC CATHODE CURRENT { 30 max. ma

FREQUENCY. { 5 min. ma

AMBIENT-TEMPERATURE RANGE. 0 max. cps

-55 to +90 °C

Circuit Values:

Shunt Capacitor. 0.1 max. μ uf

Series Resistor. See note below

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

	Min.	Av.	Max.—	
DC Anode-Supply Voltage. . . .	133 $\blacklozenge$	—	—	volts
Anode Breakdown Voltage. . . .	—	115	133*	volts
Anode Voltage Drop	101 $\bullet$	108	114*	volts
Regulation (5 to 30 ma.)	—	1	4*	volts

$\blacklozenge$ 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 OA2 also apply to Type OB2

—Indicates a change.