OB2

VOLTAGE REGULATOR

MINIATURE GLOW-DISCHARGE TYPE

GENERAL DATA

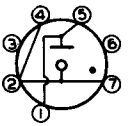
Electrical:

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" ± 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♦	75 max.	ma
DC CATHODE CURRENT	30 max.	ma
	5 min.	ma
FREQUENCY.	0 max.	cps ←
AMBIENT-TEMPERATURE RANGE.	-55 to +90	°C

Circuit Values:

Shunt Capacitor.	0.1 max.	μμf
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	101●	108	114*	volts
Regulation (5 to 30 ma.) . . .	-	1	4*	volts

♦ 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.