VOLTAGE-REGULATOR
MINIATURE TYPE

COLD CATHODE
ANY OPERATING POSITION

BOTTOM VIEW
SMALL-BUTTON MINIATURE
7 PIN BASE

THE OC2 IS A COLD-CATHODE, GLOW-DISCHARGE VOLTAGE REGULATOR IN THE 7-PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE IN VOLTAGE REGULATOR APPLICATIONS IN WHICH A RELATIVELY CONSTANT DC OUTPUT VOLTAGE IS REQUIRED ACROSS A LOAD, INDEPENDENT OF MODERATE LINE-VOLTAGE VARIATIONS.

RATINGS

MAXIMUM AND MINIMUM A
VOLTAGE-REGULATOR SERVICE

MAXIMUM AVERAGE STARTING CURRENTB 75 MA.
MAXIMUM DC CATHODE CURRENT 30 MA.
MINIMUM DC CATHODE CURRENT 5 MA.
MAXIMUM FREQUENCY 0 CPS.
AMBIENT TEMPERATURE RANGE -55 TO +90 °C
MAXIMUM CIRCUIT VALUES:
SHUNT CAPACITANCE 0.1 μf

ABSOLUTE VALUES.

CHARACTERISTICS RANGE VALUES FOR EQUIPMENT DESIGN

DC ANODE-SUPPLY VOLTAGE

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<th>MIN.</th>
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ANODE BREAKDOWN VOLTAGE:

UNDER TOTAL DARKNESS

--- --- 145D VOLTS

UNDER NORMAL AMBIENT LIGHT CONDITIONS

--- 105 115D VOLTS

ANODE VOLTAGE DROP

68E 75 83 VOLTS

REGULATION (5 TO 30 MA.)

--- 3 4.5 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.

THE MINIMUM VALUE TO INSURE "STARTING" THROUGHOUT TUBE LIFE MUST BE EQUAL TO THE ANODE BREAKDOWN VOLTAGE PLUS THE VOLTAGE DROP ACROSS THE SERIES RESISTOR AT THE MAXIMUM VALUE OF THE LOAD CURRENT.

MAXIMUM INDIVIDUAL TUBE VALUE DURING USEFUL LIFE. E MIN. INDIVIDUAL TUBE VALUE DURING USEFUL LIFE.”