

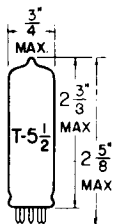
TUNG-SOL

VOLTAGE REGULATOR

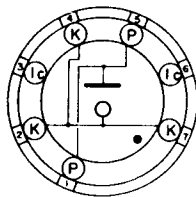
MINIATURE TYPE

COLD-CATHODE GLOW DISCHARGE

ANY MOUNTING POSITION



GLASS BULB


 BOTTOM VIEW
 MINIATURE BUTTON
 7 PIN BASE

THE 0A2 IS A COLD CATHODE GLOW-DISCHARGE TUBE USING THE MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE AS A VOLTAGE REGULATOR TO MAINTAIN CONSTANT VOLTAGE ACROSS A LOAD WITH MODERATE CHANGES IN LOAD CURRENT AND SUPPLY VOLTAGE.

RATINGS

MAXIMUM AND MINIMUM RATINGS ARE ABSOLUTE VALUES

MAXIMUM AVERAGE STARTING CURRENT ^A	75	MA.
MAXIMUM DC OPERATING CURRENT (CONTINUOUS)	30	MA.
MINIMUM DC OPERATING CURRENT (CONTINUOUS)	5	MA.
MAXIMUM AMBIENT TEMPERATURE	+90	°C
MINIMUM AMBIENT TEMPERATURE	-55	°C

^A AVERAGED OVER STARTING PERIOD NOT EXCEEDING 10 SECONDS.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

MINIMUM DC ANODE SUPPLY VOLTAGE ^B	185	VOLTS
DC STARTING VOLTAGE (APPROX.)	155	VOLTS
DC OPERATING VOLTAGE (APPROX.)	150	VOLTS
SERIES RESISTOR	C	
MAXIMUM SHUNT CAPACITOR	0.1	μf
REGULATION (5 TO 30 MA.)	2	VOLTS

^B NOT LESS THAN INDICATED SUPPLY VOLTAGE SHOULD BE PROVIDED TO INSURE "STARTING" THROUGHOUT TUBE LIFE.

^C SHOULD BE SUFFICIENT TO LIMIT OPERATING CURRENT THROUGH TUBE TO 30 MA. AT ALL TIMES AFTER THE STARTING PERIOD.

SIMILAR TYPE REFERENCE: Ratings and characteristics somewhat similar to type 0D3/VR150.