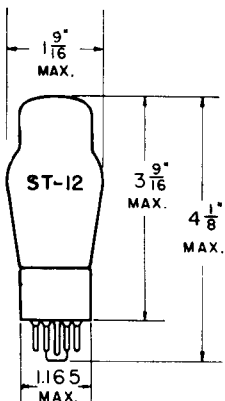


TUNG-SOL

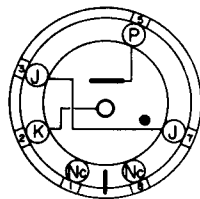


VOLTAGE REGULATOR

COLD CATHODE - GLOW DISCHARGE

GLASS BULB

SMALL SHELL OCTAL 6-PIN BASE



BOTTOM VIEW

THE OA3/VR75, OB3/VR90, OC3/VR105, AND OD3/VR150 ARE COLD-CATHODE, GLOW-DISCHARGE TUBES. THEY ARE INTENDED FOR USE AS VOLTAGE REGULATORS IN APPLICATIONS WHERE IT IS NECESSARY TO MAINTAIN A CONSTANT DC OUTPUT VOLTAGE ACROSS A LOAD, INDEPENDENT OF LOAD CURRENT AND MODERATE LINE-VOLTAGE VARIATIONS. LIKE OTHER GLOW-DISCHARGE TUBES, THEY MAY ALSO BE USED AS RELAXATION OSCILLATORS, AND FOR SPARK-OVER PROTECTION.

RATINGS AND TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

MAXIMUM AND MINIMUM RATINGS ARE ABSOLUTE VALUES

	OA3/VR75	OB3/VR90	
DC ANODE SUPPLY VOLTAGE <sup>A</sup>	105 MIN.	125 MIN.	VOLTS
DC OPERATING CURRENT (CONTINUOUS)	40 MAX.	30 MAX.	MA.
DC OPERATING CURRENT (CONTINUOUS)	5.0 MIN.	10 MIN.	MA.
AMBIENT TEMPERATURE RANGE	-55 TO + 90		°C
DC STARTING VOLTAGE (APPROX.)	100		VOLTS
DC OPERATING VOLTAGE (APPROX.)	75	90	VOLTS
REGULATION (5 TO 30 MA.)	3.0		VOLTS
REGULATION (5 TO 40 MA.)	5.0		VOLTS
REGULATION (40 TO 30 MA.)		8.0	VOLTS

	OC3/VR105	OD3/VR150	
DC ANODE SUPPLY VOLTAGE <sup>A</sup>	133 MIN.	185 MIN.	VOLTS
DC OPERATING CURRENT (CONTINUOUS)	40 MAX.	40 MAX.	MA.
DC OPERATING CURRENT (CONTINUOUS)	5.0 MIN.	5.0 MIN.	MA.
AMBIENT TEMPERATURE RANGE	-55 TO + 90	-55 TO + 90	°C
DC STARTING VOLTAGE (APPROX.)	115	160	VOLTS
DC OPERATING VOLTAGE (APPROX.)	105	150	VOLTS
REGULATION (5 TO 30 MA.)	1.0	2.0	VOLTS
REGULATION (5 TO 40 MA.)	2.0	4.0	VOLTS

<sup>A</sup> NOT LESS THAN INDICATED SUPPLY VOLTAGES SHOULD BE PROVIDED TO INSURE "STARTING" THROUGHOUT TUBE LIFE.

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