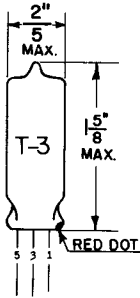


TUNG-SOL

DIODE
SUBMINIATURE TYPE

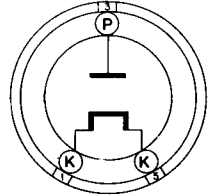
SUBMINIATURE GAS DIODE

ANY MOUNTING POSITION



GLASS BULB

DOT IS ADJACENT TO LEAD 1



BOTTOM VIEW

0.016" TINNED
FLEXIBLE LEADS

0.10" CENTER-TO-CENTER

THE 5783 IS A COLD CATHODE, GLOW-DISCHARGE TUBE OF SUBMINIATURE CONSTRUCTION DESIGNED FOR SERVICE AS A VOLTAGE REFERENCE TUBE IN ELECTRONICALLY REGULATED DC POWER SUPPLIES. IT HAS AN OPERATING CURRENT RANGE OF 1.5 TO 3.5 MILLIAMPERES OVER WHICH IT MAINTAINS A SUBSTANTIALLY CONSTANT OPERATING VOLTAGE OF 85 VOLTS. VOLTAGE FLUCTUATIONS ARE APPRECIABLY LESS THAN 0.1 VOLTS WITHIN THE RATED OPERATING CURRENT RANGE. TWO CATHODE LEADS ARE PROVIDED WHICH MAY BE USED TO DISCONNECT THE LOAD WHEN THE TUBE IS REMOVED FROM THE SOCKET. THE FLEXIBLE LEADS MAY BE SOLDERED OR WELDED DIRECTLY TO CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO 0.20" LENGTH.

RATINGS

ABSOLUTE MAXIMUM VALUES

DC OPERATING CURRENT	1.5 TO 3.5	MA.
AMBIENT TEMPERATURE	-55 TO +90	°C

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

MINIMUM DC ANODE SUPPLY VOLTAGE	115	VOLTS
AVERAGE DC OPERATING VOLTAGE	85	VOLTS
DC OPERATING CURRENT RANGE	1.5 TO 3.5	MA
DC OPERATING VOLTAGE RANGE	80 TO 90	VOLTS
MAXIMUM REGULATION (1.5 TO 3.5 MA.)	3.0	VOLTS
STABILITY OF OPERATING VOLTAGE (VOLTAGE FLUCTUATION)	0.1	VOLTS
MAXIMUM SHUNT CAPACITANCE	0.02	µfd

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