



SUBMINIATURE GAS DIODE

DESCRIPTION

The 5787 is a cold cathode, gas-filled diode of subminiature construction, designed for service as a voltage regulator. It has an operating current range of 5 to 25 ma. over which it maintains a substantially constant operating voltage of 100 volts. Two cathode leads are provided which may be used to disconnect the load when the tube is removed from the socket. The flexible terminal 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.

MECHANICAL DATA

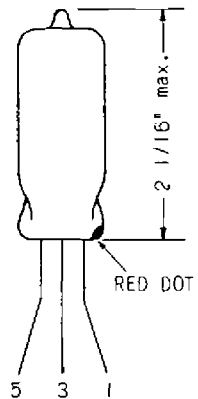
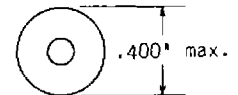
ENVELOPE: T-3 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: 0.10" center-to-center)

TERMINAL CONNECTIONS: (Red dot is adjacent to lead 1)

- Lead 1 Cathode
- Lead 3 Anode
- Lead 5 Cathode

MOUNTING POSITION: Any



ELECTRICAL DATA

RATINGS:

DC Anode Supply Voltage *	145 volts
DC Operating Current (continuous)	5 to 25 ma.
Ambient Temperature Range	-55 to +90 °C

CHARACTERISTICS AND TYPICAL OPERATION:

DC Starting Voltage (approx)	135 volts
DC Operating Voltage (approx)	100 volts
DC Operating Current	5 to 25 ma.
Regulation (5 to 25 ma.)	3 volts

* Not less than indicated supply voltage should be provided to insure "starting" throughout tube life..