



SUBMINIATURE DIODE

DESCRIPTION

The 5704 is an extremely small cathode-type diode. Two of these tubes effect considerable space and weight saving compared to any equivalent twin diode type. The characteristics are suitable for VHF detector applications. 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-2 Glass

BASE: None (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: 0.050" center-to-center.

TERMINAL CONNECTIONS: (Lead wire orientation shown by
red dot adjacent to Lead 1)

Lead 1 Plate
Lead 2 Heater
Lead 3 Heater
Lead 4 Cathode

MOUNTING POSITION: Any

ELECTRICAL DATA

DIRECT INTERELECTRODE CAPACITANCES: ($\mu\mu\text{fs.}$)

Anode to Cathode	2.1
Anode to Heater	0.6
Heater to Cathode	2.8

DESIGN CENTER MAXIMUM RATINGS:

Heater Voltage	6.3 volts
Heater Current	0.15 amp.
Maximum A-C Plate Voltage (RMS)	150 volts
Peak Inverse Voltage	420 volts
Peak Plate Current	54 ma.
Heater-Cathode Potential (dc)	330 volts
Output Current (dc)	9 ma.

AVERAGE TUBE VOLTAGE DROP:

At 9 ma. Plate Current	2 volts
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