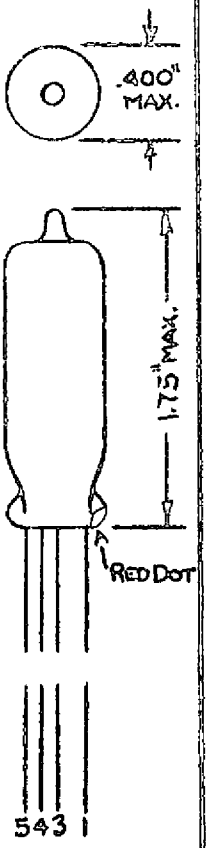
TYPE 5995

SUBMINIATURE DIODE

DESCRIPTION

The 5995 is a heater-cathode type diode of subminiature construction designed for use in general rectifier 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-3 Glass

Base: None (0.016" tinned flexible leads. Length: 1.5" min.
Spacing: Leads 1 - 3 0.100" center-to-center.
Other Leads 0.050" center-to-center.)

Terminal Connections: (Red Dot is adjacent to Lead 1)

Lead 1 Plate	Lead 4 Heater
Lead 3 Heater	Lead 5 Cathode

Mounting Position: Any

ELECTRICAL DATA

Design Center Maximum Ratings:

Heater Voltage (ac or dc)	6.3	volts
Peak Inverse Voltage	850	volts
Peak Plate Current	275	ma.
AC Plate Voltage (RMS)	300	volts
Output Current (dc)	45	ma.
Peak Heater-Cathode Voltage	420	volts

Characteristics and Typical Operation - Half-Wave Rectifier:

Heater Voltage (ac or dc)	6.3	volts
Heater Current	0.3	amp.
AC Plate Voltage (RMS)	275	volts
Filter Input Condenser for 60 Cycle Operation	16	uf.
DC Output Current	45	ma.
DC Output Voltage	270	volts
Average Tube Drop at Ib≥100 ma. (approx.)	25	volts

Tentative Data
February 15, 1951

Rev. 1
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