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" tinmed 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: Hearter
- Lead 5: Cathode

Mounting Position: Any

ELECTRICAL DATA

Design Center Maximum Ratings:
- Heater Voltage (ac or dc): 6.3 volts
- Peak Inverse Voltage: 800 volts
- Peak Plate Current: 275 ma.
- AC Plate Voltage (RMS): 300 volts
- Output Current (dc): 4.5 ma.
- Peak Heater-Cathode Voltage: 4.20 volts

Characteristics and Typical Operation - Half-Wave Rectifier:
- Heater Voltage (ac or dc): 6.3 volts
- Heater Current: 0.9 amp.
- AC Plate Voltage (RMS): 275 volts
- Filter Input Condenser for 60 Cycle Operation: 16 uf.
- DC Output Current: 4.5 ma.
- DC Output Voltage: 270 volts
- Average Tube Drop at 100 ma. (approx.): 25 volts

Tentative Data
February 15, 1951