

Data for Tube Type 6532

Tube Type: 6532

Description: High vacuum half wave rectifier or damping diode.
Hard glass envelope. Overall height $9\frac{1}{2}$ " (max.), diameter $2\frac{5}{16}$ " (max.)

Base: Goliath Edison Screw Cap.
Base Connections: Base thread Heater (Note 7).
Base button Heater (Note 7).
Top cap Anode.

Heater voltage: 4.0 volts.
Heater current: 4.0 amps.

Maximum Ratings:
(absolute).

Anode current as normal rectifier (R. M. S.) 350 mA.
Anode current as normal rectifier (Mean). 250 mA.

Peak Anode Current.

- A. Under short pulse conditions. 10.0 amps. (Note 1.)
- B. Under rectifier conditions. 1.0 amp. (Note 2.)

Peak Inverse Voltage:

- A. Under short pulse conditions or
transients. 27.0 KV (Note 1.)
- B. Under short pulse conditions or
transients. (Fault condition.) 35.0 KV (Note 3.)
- C. As a power rectifier (on load) .18.0 KV
- D. As a power rectifier (no load) .20.0 KV
- E. As delay line charging diode
(Fault condition.) 30.0 KV (Note 4.)

Anode Dissipation. 32.0 watts. (Note 5.)
Impedence. (Nominal.) (at 8 amps. peak.)
100 ohms.

Notes:

1. For pulses of the order of 2 micro-seconds or less.
2. For rectifier conditions a minimum surge limiting resistance of 1,600 ohms should be inserted in the anode circuit.
3. For a maximum period of 50 milliseconds.

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4. For a maximum period of 5 seconds.
5. This figure may be increased to 38 watts. provided the peak inverse voltage does not exceed 75 % of the rated value.
6. The heater must be switched on for 30 seconds before the anode voltage is applied.
7. As the cathode is connected to the centre of the heater the H.T. return should preferably go to the centre tap of the heater transformer. If this cannot be done the ratings for peak and mean anode current should be reduced.