

*Excellence in Electronics***TYPE
CK6436/
CK1036**

The CK6436/CK1036 is an instant starting, cold-cathode, gas-filled diode of subminiature construction designed primarily for use as a half-wave rectifier with vibrator power supplies having high transient voltages. Several tubes may be operated in cascade to generate very high voltages. The flexible terminal leads may be soldered or welded directly to the terminals of circuit components without the use of sockets. Standard inline subminiature sockets may be used by cutting the leads to a suitable length.

MECHANICAL DATAENVELOPE: T-3 GlassBASE: None (0.016" tinned flexible leads: Length: 1.50" min.
Spacing: 0.096" center-to-center)TERMINAL CONNECTIONS: (Red Dot is adjacent to Lead 3)Lead 3 Anode
Lead 5 CathodeMOUNTING POSITION: Any**ELECTRICAL DATA**RATINGS - ABSOLUTE MAXIMUM VALUES:

Peak Inverse Voltage ▲
Peak Cathode Current (Steady State)
Peak Cathode Current (Surge)
Average Cathode Current (dc)
Minimum Peak Anode Supply Voltage
Minimum Anode Supply Impedance
Ambient Temperature Range

1500 volts
10 ma.
30 ma.
100 μ a.
1400 volts
50,000 ohms
- 55 to + 80 °C

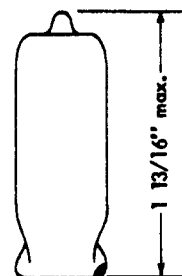
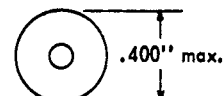
CHARACTERISTICS AND TYPICAL OPERATION: (Per Circuit Below)

Maximum Inverse Current at - 1500 volts DC

- 8 μ a. dcVIBRATOR POWER SUPPLY OPERATION:

Vibrator Anode Supply Impedance
Peak Inverse Voltage
DC Output Voltage
DC Output Current

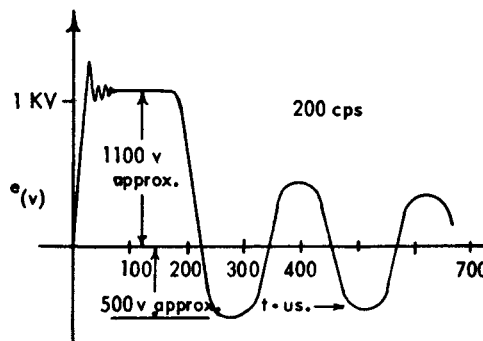
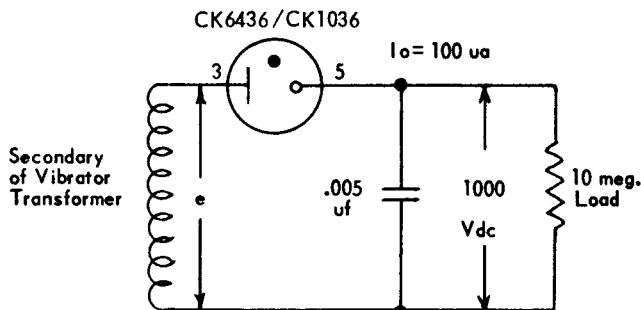
100,000 ohms
1500 volts
1000 volts
100 μ a.



Red Dot

5 3

▲ Instantaneous inverse voltage in excess of 1000 volts should not have a duty cycle factor greater than 10%.



Tentative Data

RAYTHEON MANUFACTURING COMPANY
RECEIVING AND CATHODE RAY TUBE OPERATIONS