



Excellence in Electronics

TYPE CK776

The CK776 is a hermetically sealed, high temperature, high current silicon rectifier. It is designed to operate at ambient temperatures in the range of -55 to +170°C.

MECHANICAL DATA

- CASE: Metal and Glass
- TERMINALS: Cathode: 1/4-28 bolt
Anode: Terminal Lug for 8-32 bolt.
- MOUNTING POSITION: Any

ELECTRICAL DATA

RATINGS - ABSOLUTE MAXIMUM VALUES:

	WITH HEAT RADIATOR		
Case Temperature ▲	30	70	170 °C
RMS Voltage	125	125	125 volts
Peak Inverse Voltage	200	200	200 volts
Average Rectified Current	15	10	5 amperes
RMS Rectified Current	25	15	7.5 amperes
Peak Rectified Current	50	30	15 amperes
Dissipation	40	20	10 watts

	WITH NO HEAT RADIATOR		
Ambient Temperature	25		170 °C
RMS Voltage	125		125 volts
Peak Inverse Voltage	200		200 volts
Average Rectified Current	2.0		0.5 amperes
RMS Rectified Current	3.0		0.7 amperes
Peak Rectified Current	6.0		1.5 amperes

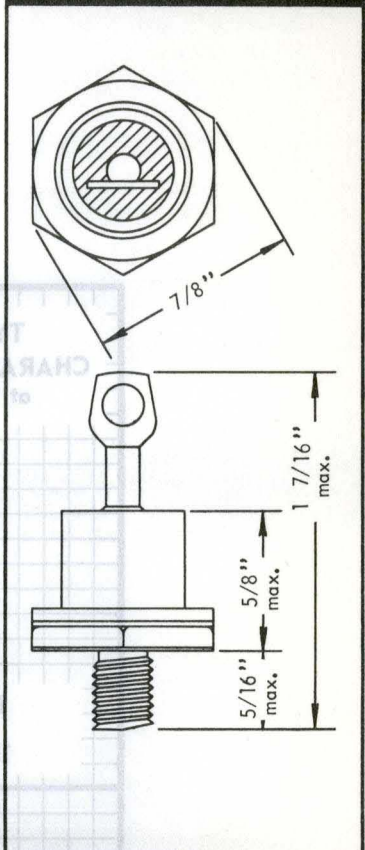
CHARACTERISTICS: (at 25°C)

Maximum Forward Voltage at 5.0 amperes	1.5 volts
Maximum Reverse Current at 175 volts	15 ma.
Maximum Reverse Current at 200 volts	25 ma.

▲ These ratings assume the rectifier is maintained at or below the specified case temperature by means of external cooling such as a heat dissipator. The case temperature should be measured at the circumference of the copper base. The temperature may be determined by use of a thermocouple or such indicators as temperature sensitive laquers.

NOTE

When making connections to the electrodes, if it is desired to solder these connections, a heat sink in the form of a pair of pliers should be used between the solder joint and the connections to the rectifier.



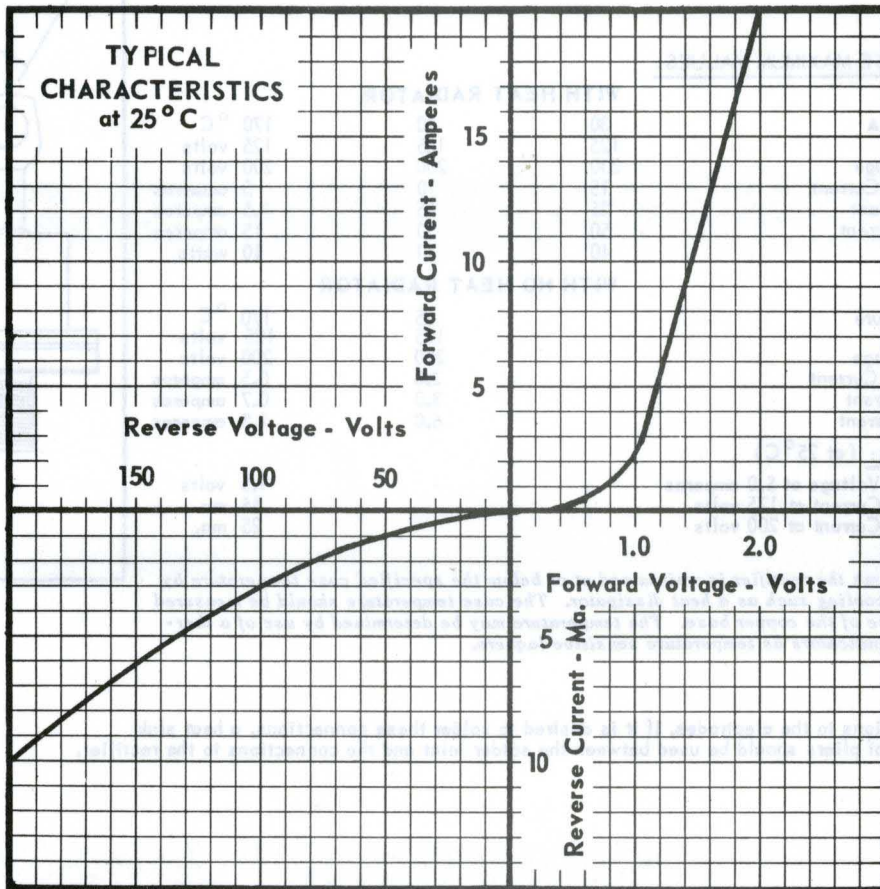
Tentative Data

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