



Excellence in Electronics

TYPE CK775

The CK775 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               | 40                    | 40  | 40 volts    |
| Peak Inverse Voltage      | 60                    | 60  | 60 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               |                       | 40  | 40 volts    |
| Peak Inverse Voltage      |                       | 60  | 60 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 |

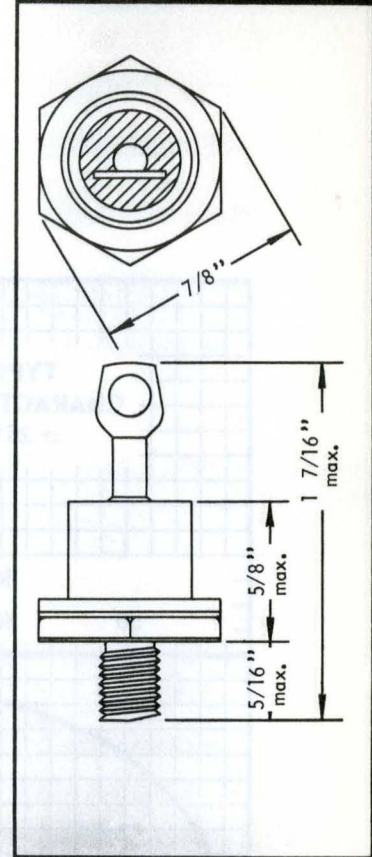
CHARACTERISTICS: (at 25°C)

|  |           |
|--|-----------|
| Maximum Forward Voltage at 5.0 amperes | 1.5 volts |
| Maximum Reverse Current at 50 volts    | 15 ma.    |
| Maximum Reverse Current at 60 volts    | 25 ma.    |

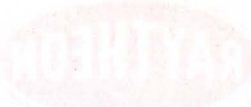
▲ These ratings assume the rectifier is maintained at or below the specified case temperature by means of external cooling such as a heat dissipator. The case temperature should be measured at the circumference of the copper base. The temperature may be determined by use of a thermocouple or such indicators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

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



SILICON JUNCTION RECTIFIER

