

Mechanical and Dimensional Characteristics

Standard Construction: Single 7 mil layer of transparent film coated with transparent layer of ITO coating on both sides of film.

Sizes:1/2"x1/2" thru to16"x20"

Borders: Minimum Busbar Width .100 inches. (It is desirable to have as wide a busbar as possible to avoid excessive drop in the busbars

Cable and Connector: Heater can have lead wires to be terminated to a connector and be supplied with a miniature temperature sensor. All heaters are supplied with protective liners covering both sides. Dimensional Tolerances and Limits – Overall size +- .030inch for heaters less than 12" +- .100 inch for greater than 12" Lead Wire length +- .125 inch Thickness +- .005inch Printing +- .010 inch

Performance Characteristics

Light Transmission: 90% Visual Light Transmission

Environmental Characteristics: Temperature Operating - -40 to +100c humidity 5-95%

Temperature Storage - -40c to 100c humidity 5-95%

Contact factory for environmental requirements outside the standard range

Electrical Characteristics

Input Voltage: 0-24 Volts DC or AC

Wattage: 0.1 to 1.0 watt/in is recommended

Heater Resistance: Heater resistance is a function of desired heater wattage, available input voltage and heater geometry R= E2/w where e= input voltage and w=Desired wattage. For a rectangular shape of length "I" and width "W" the heater resistance is R= (SR) (W)/L SR = sheet resistance defined in ohms. Resistance of a square piece of conductive film regardless of its size. Available sheet resistance 10,30,60,80,200,300 ohms +- 20%

Contact factory of other available resistant's.