

Red Electroluminescent Fiber

Product Specifications

Overall Diameter

2. mm +/- 0.2mm (0.086" +/- 0.008 ")

Absolute Maximum Ratings

Power Supply Voltage

130 Volts (RMS)

Storage Temperature

-40 to +65 deg. C (-40 to +149 deg.F)

Operating Temperature

-20 to +55 deg. C (-4 to +131 deg.F)

Stretching Force

1 Kg

Bending Diameter

at least 5 times the fiber diameter

Twisting Angle

30 degrees per meter

Average AC current

50 mAmp

Insulation Breakdown Voltage

4000 Volts per IEC 335-1

Flammability

850 deg C per IEC 335-1

Electro-Optical Characteristics

Typical Initial Performance

Brightness at 100 Volts / 400Hz

10.5 cd/m²

Chromaticity Coordinates at 100V/400 Hz

X = 0.601, Y = 0.351

Brightness at 100 Volts / 800Hz

18 cd/m²

Chromaticity Coordinates at 100 Volts / 800Hz

X = 0.599, Y = 0.350

Brightness at 100 Volts / 2000Hz

38 cd/m²

Chromaticity Coordinates at 100 Volts / 2000Hz

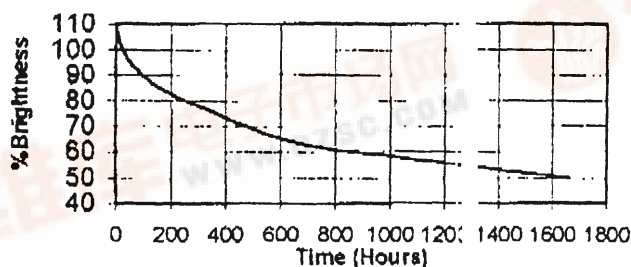
X = 0.598, Y = 0.344

Dynamic Capacitance at 5 VAC in darkness

5.3 nF +/- 0.8 nF

Brightness Vs Time at 120V 100Hz

Room Temp. / R.H.=40%



Red Fiber Spectrum

at 100V/800Hz

