HELIOWORKS

"Out Shines All Others"

PULSABLE **IR** SOURCE
Model EP-3872*



Helioworks, Inc. offers a unique pulsable infrared emitter with a tungsten filament that provides mid IR radiation to over 5 microns. It operates in pulsed or steady state mode at temperatures in excess of 1900° K in an industry standard TO-8 package.

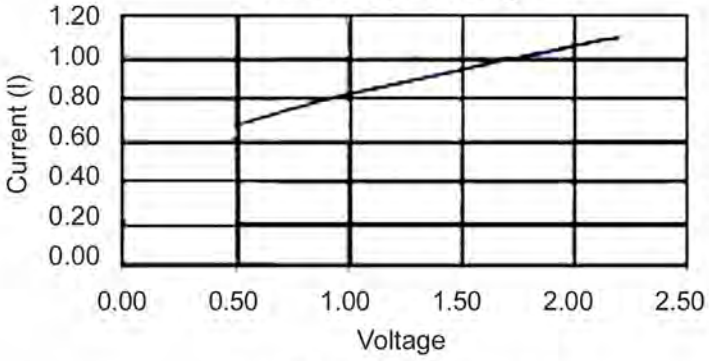
Key Features Include:

- Tungsten Filament
- Can Be Operated in Pulsed or Steady State Mode
- Internal Gold Plated Parabolic Reflector
- Sapphire Window
- Standard TO-8 Package

Electrical Specifications:

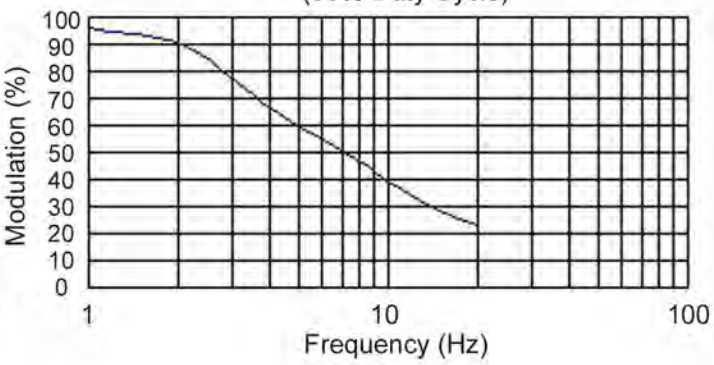
Peak Voltage = 2.2 Volts DC MAXIMUM
Peak Current = 1.1 Amps
Peak Power = 2.4 Watts

Current vs Voltage



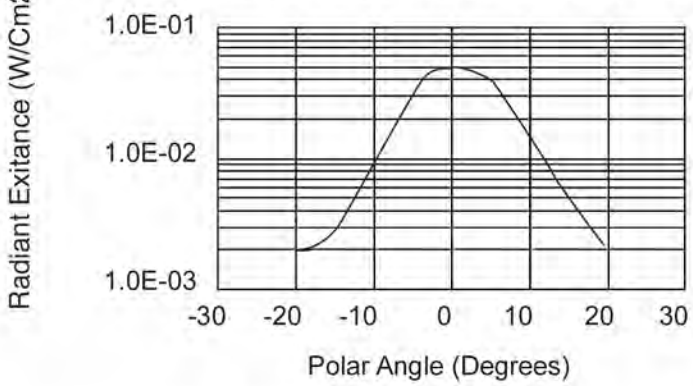
Modulation vs. Frequency

(50% Duty Cycle)



Radiant Exitance

Volts = 2.20 Distance = 3.0 inches from source



Polar Angle	Average (W/CM2)
-20	2.00E-03
-15	280E-03
-10	8.00E-03
-5	3.10E-02
0	4.75E-02
5	3.90E-02
10	1.50E-02
15	4.50E-03
20	2.10E-03

*Patented

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