



"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.



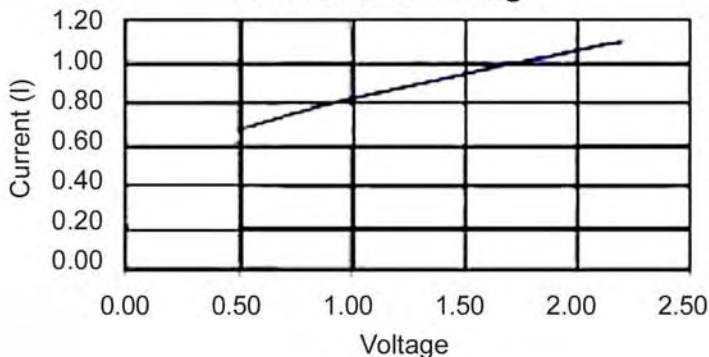
Key Features Include:

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

Electrical Specifications:

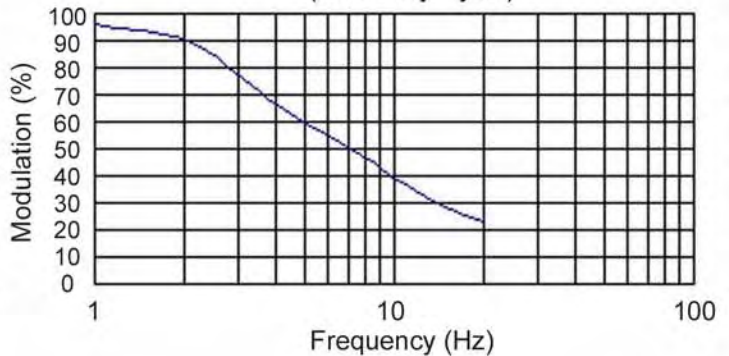
Peak Voltage = 2.2 Volts DC MAXIMUM
 Peak Current = 1.1 Amps
 Peak Power = 2.4 Watts

Current vs Voltage



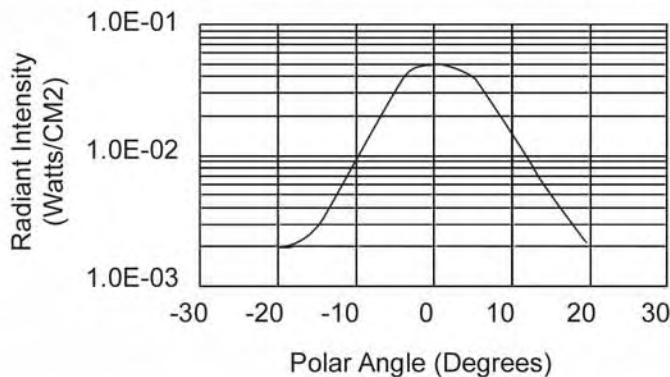
Modulation vs. Frequency

(50% Duty Cycle)



Average Radiant Intensity (Watts/CM2):

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