



"Out Shines All Others"

## PULSABLE IR SOURCE Model EP-3964\*

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



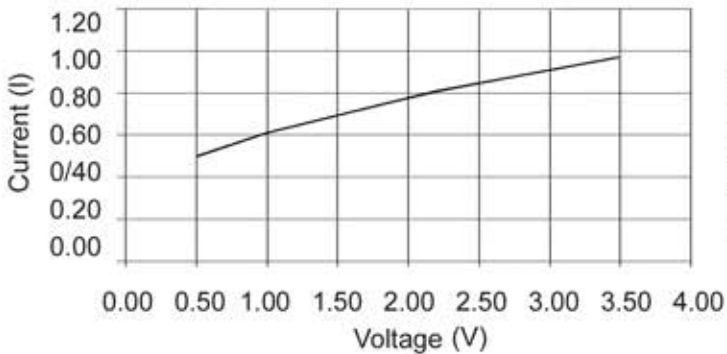
### Key Features Include:

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

### Electrical Specifications:

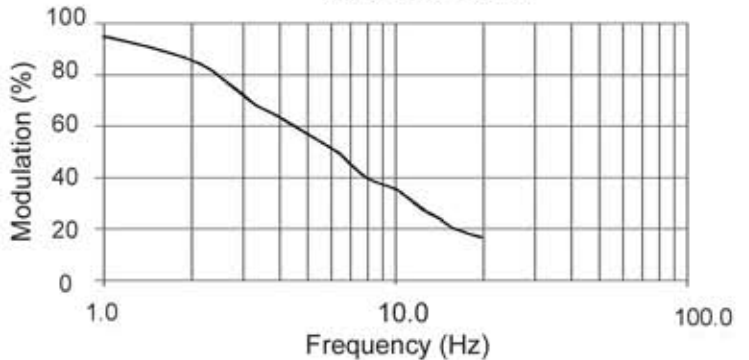
Peak Voltage = 3.5 Volts DC MAXIMUM  
Peak Current = 1.0 Amp  
Peak Power = 3.5 Watts

**Current vs Voltage**



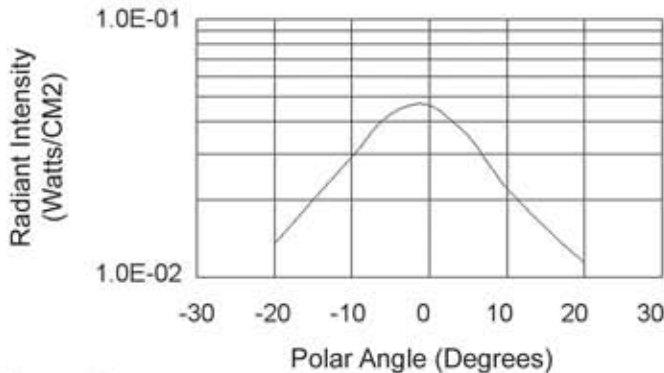
**Modulation vs. Frequency**

(50% Duty Cycle)



### Average Radiant Intensity (Watts/CM2):

Volts = 3.5, Distance = 3.0 inches from source



Polar Angle	Average (W/CM2)
-20	1.35E-02
-15	2.00E-02
-10	2.90E-02
-5	4.30E-02
0	4.65E-02
5	3.50E-02
10	2.20E-02
15	1.55E-02
20	1.15E-02

\* Patented