



"Out Shines All Others"

## PULSABLE IR SOURCE Model EP-3963\*

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.



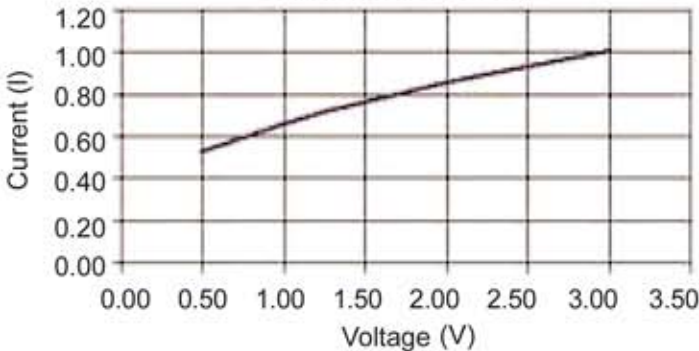
### Key Features Include:

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

### Electrical Specifications:

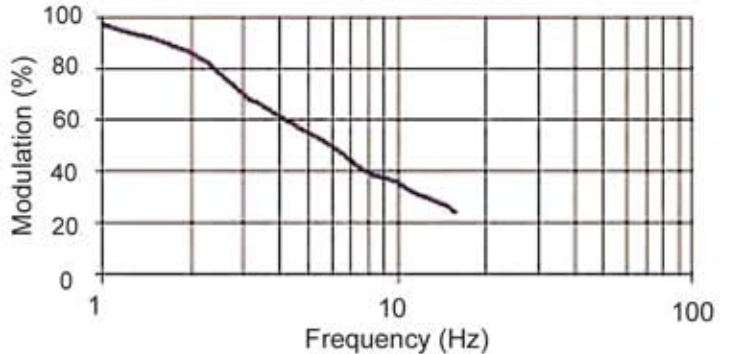
Peak Voltage = 3.0 Volts DC Maximum  
Peak Current = 1.0 Amp  
Peak Power = 3.0 Watts

**Current vs Voltage**



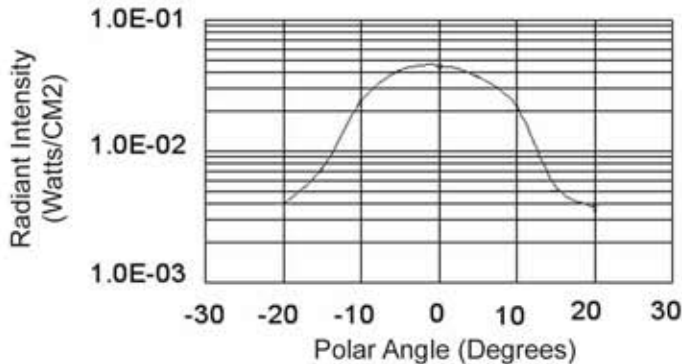
**Modulation vs. Frequency**

(50% Duty Cycle)



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

Volts = 3.0, Distance = 3.0 inches from source



Polar Angle	Average (W/CM2)
-20	4.00E-03
-15	7.40E-03
-10	2.40E-02
-5	4.15E-02
0	4.55E-02
5	3.75E-02
10	2.15E-02
15	5.40E-03
20	3.70E-03