



**HELIOWORKS**  
*"Out Shines All Others"*  
**PULSABLE IR SOURCE**  
**Model EP-3963\***

Helioworks, Inc. offers a unique steady state 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.



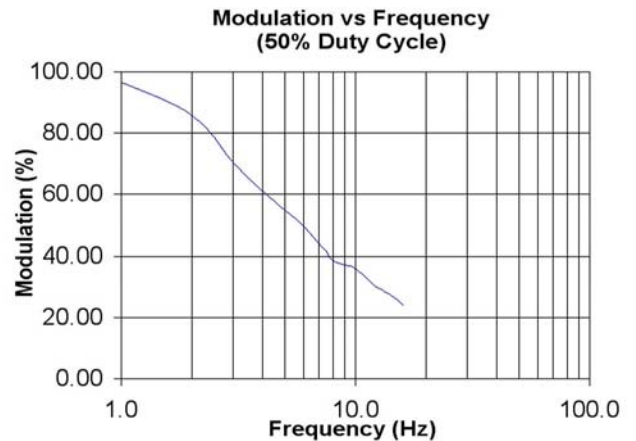
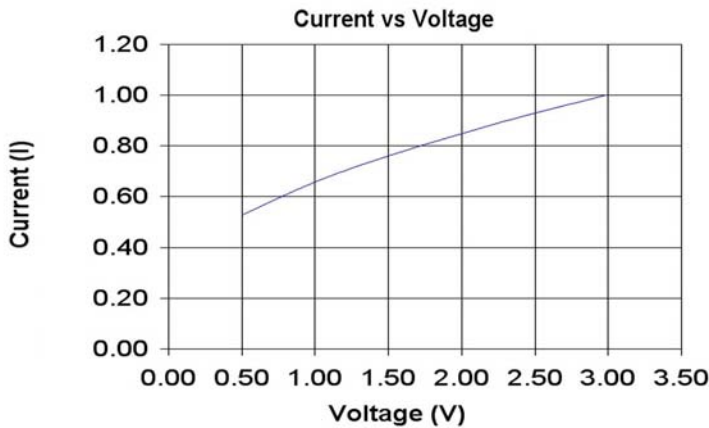
**Key features include:**

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

**Electrical Specifications:**

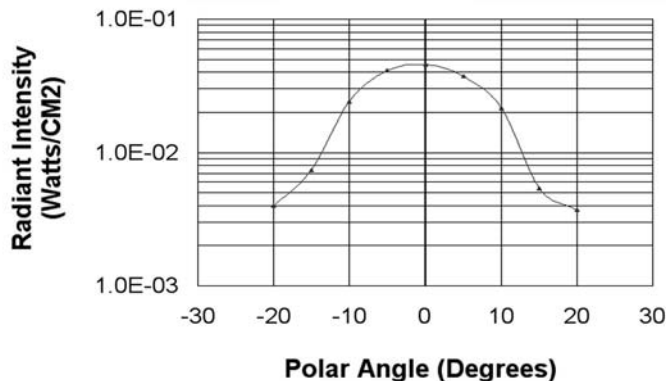
Peak Voltage = 3.0 Volts MAXIMUM  
 Peak Current 1.0 Amp  
 Peak Power = 3 Watts (DC)

\*Patented



**Radiant Intensity (Watts/CM2):**

Volts = 2.6, Distance = 3.0 inches from source



Polar Angle	Average (Watts/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