



"Out Shines All Others"

PULSABLE IR SOURCE Model EP-3965*

Helioworks, Inc. offers a unique pulsable infrared emitter with a tungsten filament and sapphire window that provides spectral transmission 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.



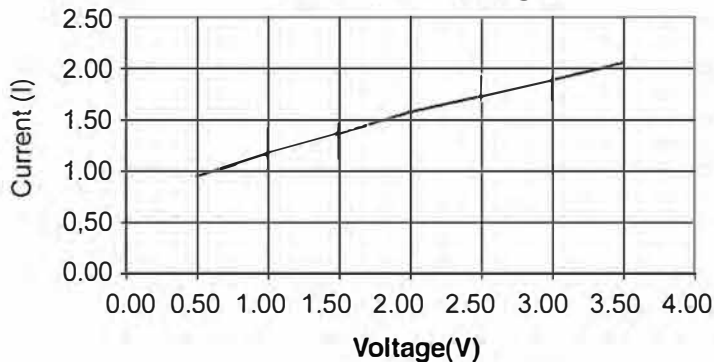
Key features include:

- Tungsten Filament
- Operates 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 = 2.0 Amps
Peak Power = 7.2 Watts

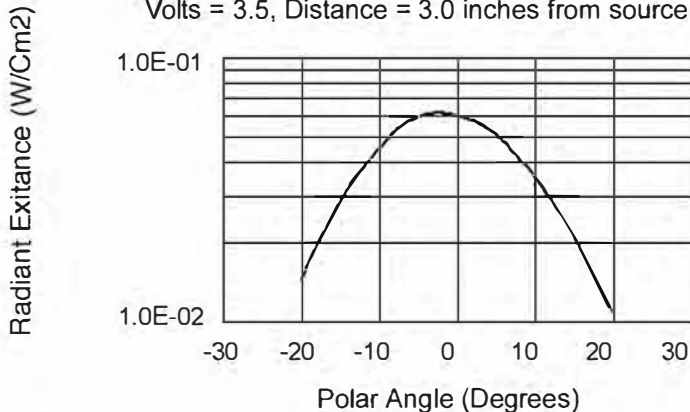
Current vs Voltage



V	I	W=V*I	R=V/I
0.50	0.94	0.47	0.53
1.00	1.17	1.17	0.85
1.50	1.37	2.06	1.09
2.00	1.57	3.14	1.27
2.50	1.73	4.33	1.45
3.00	1.89	5.67	1.59
3.50	2.05	7.18	1.71

Radiant Exitance

Volts = 3.5, Distance = 3.0 inches from source



Polar Angle	Average Intensity (Watts/Cm2)
-20	1.44E-02
-15	2.79E-02
-10	4.52E-02
-5	5.95E-02
0	6.02E-02
5	5.12E-02
10	3.54E-02
15	2.11E-02
20	1.06E-02

* Patented

