HELIOWORKS

"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)

Radiant Exitance

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

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