



HawkEye Technologies, LLC
Your **Source** for **Infrared**

www.hawkeyetechnologies.com

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Infrared Source IR-30

- Supported, Coil Wound
- Operates at 950°C when powered with 4.2 watts
- Pulsable up to 1 Hz



The IR-30 is a coil-wound, supported IR Source, mounted on a TO-5 header. At steady state, the coiled filament operates at approximately 950 degrees C when powered with 4.2 watts (2.5 volts, 1.7 amps). Expected life at this power level is 25,000 hours. This IR Source can be pulsed up to 1 hertz with a greater power input. For example, when operated at 1 hertz, 50% duty cycle with 3.5 volts and 7.1 watts, the output is a well defined saw tooth with approximately 32% modulation depth. This product could also be coupled with a Parabolic or Elliptical Reflector in order to collimate or focus the energy.

Recommended Operating Parameters

	IR-30
Voltage	2.5 volts (AC or DC)
Temp	950° C
Current	1.7 Amperes
Power	4.2 watts
Life	25,000 Hours at 2.5 volts
Emissivity	0.70
Active Area	1.8 mm X 1.8 mm

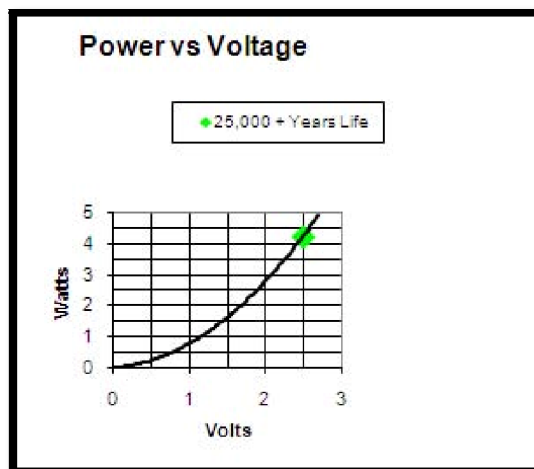
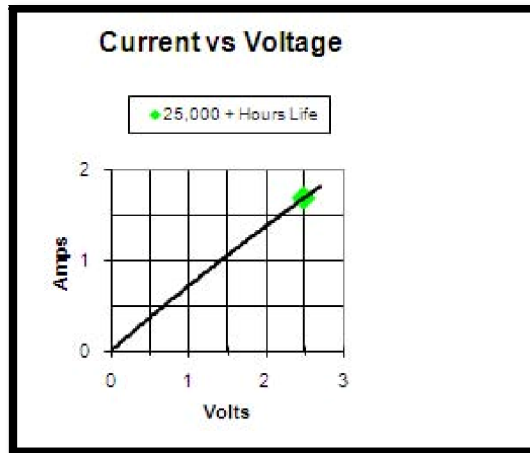
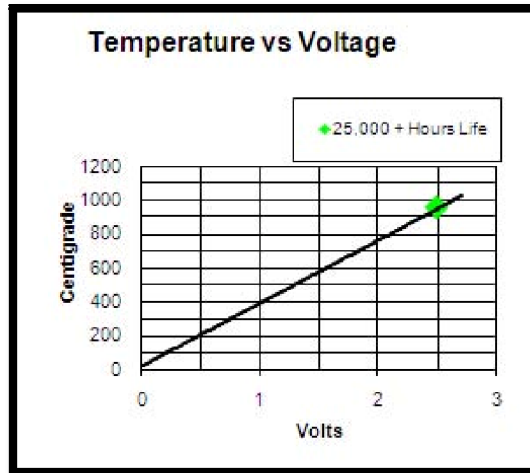


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HawkEye IR-30 Engineering Data Charts





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