



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

181 Research Drive, #8
Milford, CT 06460
Phone: 203-878-6892
Fax: 203-878-7462

www.hawkeyetechnologies.com

Infrared Source Series 2x

- Supported, Coil Wound
- Available mounted vertically or horizontally
- Available on large or small base



The coiled filament operates at approximately 800°C when powered with 4 watts. The radiating element is a coil of resistance wire which has a high emissivity in the Infrared spectral region. The coil is supported on a cylindrical substrate of alumina. Due to the reduced mass of this unit it can be pulsed at 1 hertz with a resultant temperature variation that can be detected. The unit does not require operation in a sealed atmosphere.

The Header body is available in two sizes. The larger, IR 21, has 0.200 inch center to center leads. The small, IR 22, has 0.100 inch center to center leads. The support pins are hermetically sealed in glass. The source can be mounted vertically or horizontally.

Recommended Operating Parameters

	IR-21	IR-22
Voltage	5.0 volts (AC or DC)	5.0 volts (AC or DC)
Temp	800° C	900°C
Current	0.8 Amperes	0.8 Amperes
Power	4.0 watts	4.0 watts
Life	30,000 Hours at 5 volts	30,000 Hours at 5 volts
Emissivity	0.80	0.80
Active Area	1.5 mm X 3.5 mm	1.5 mm X 3.5 mm

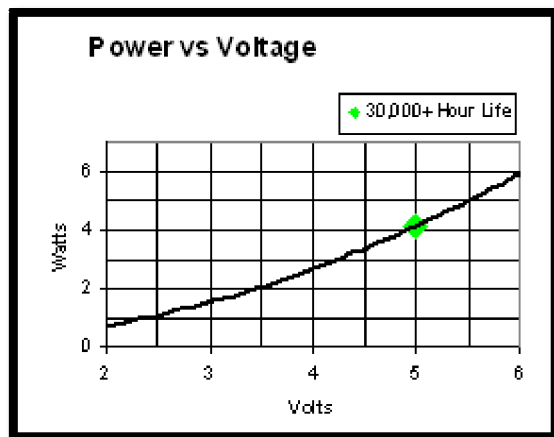
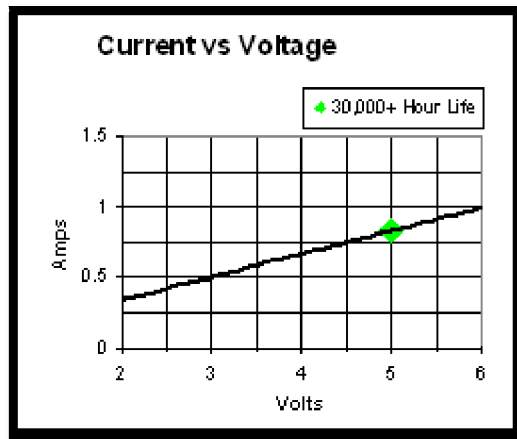
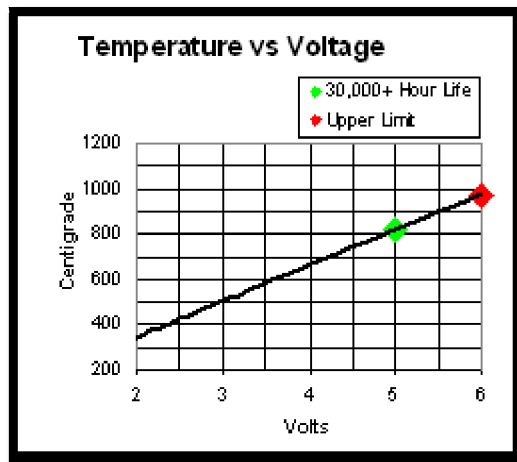


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HawkEye IR-21 Engineering Data Charts



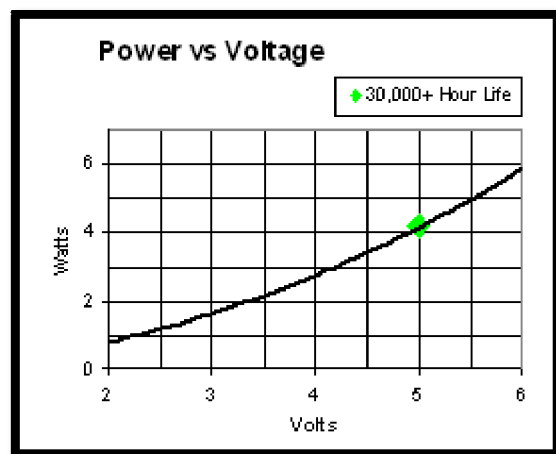
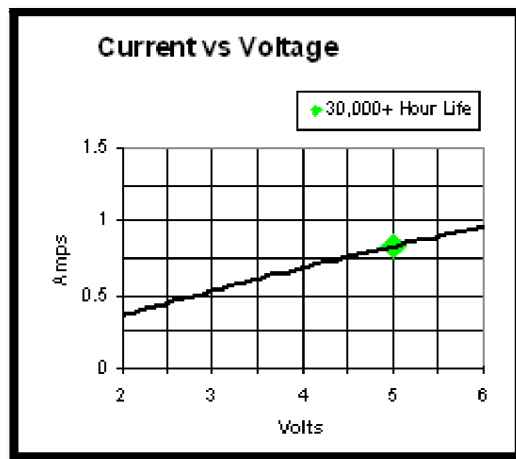
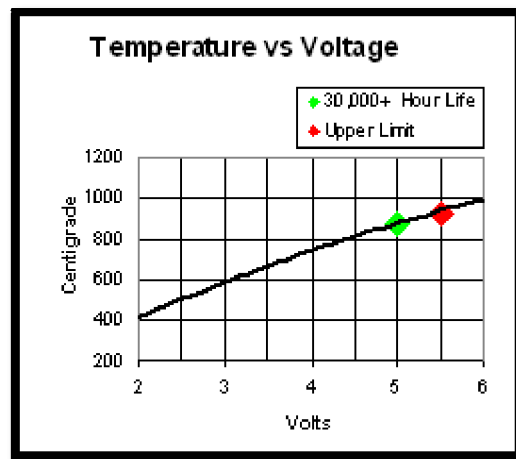


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HawkEye IR-22 Engineering Data Charts

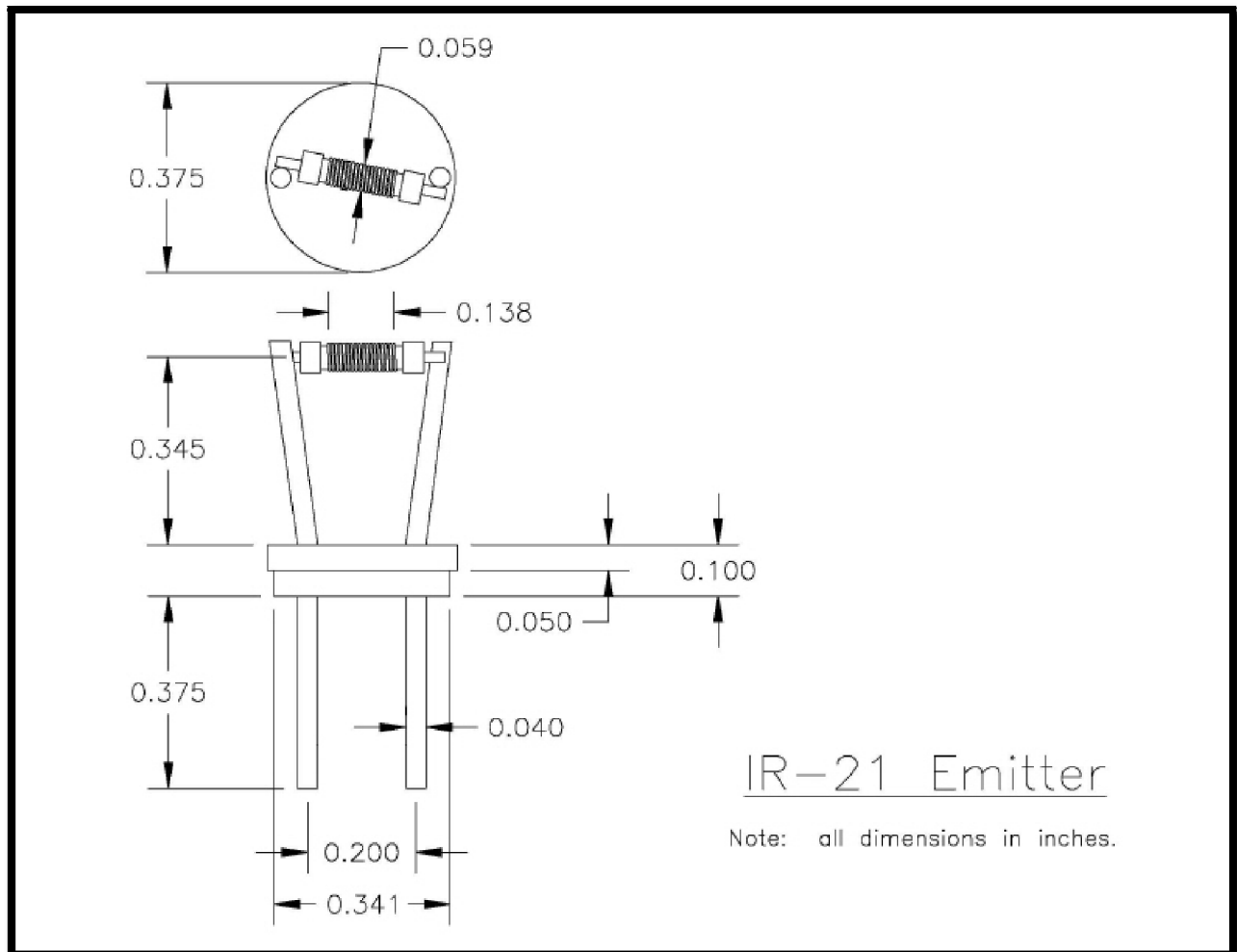




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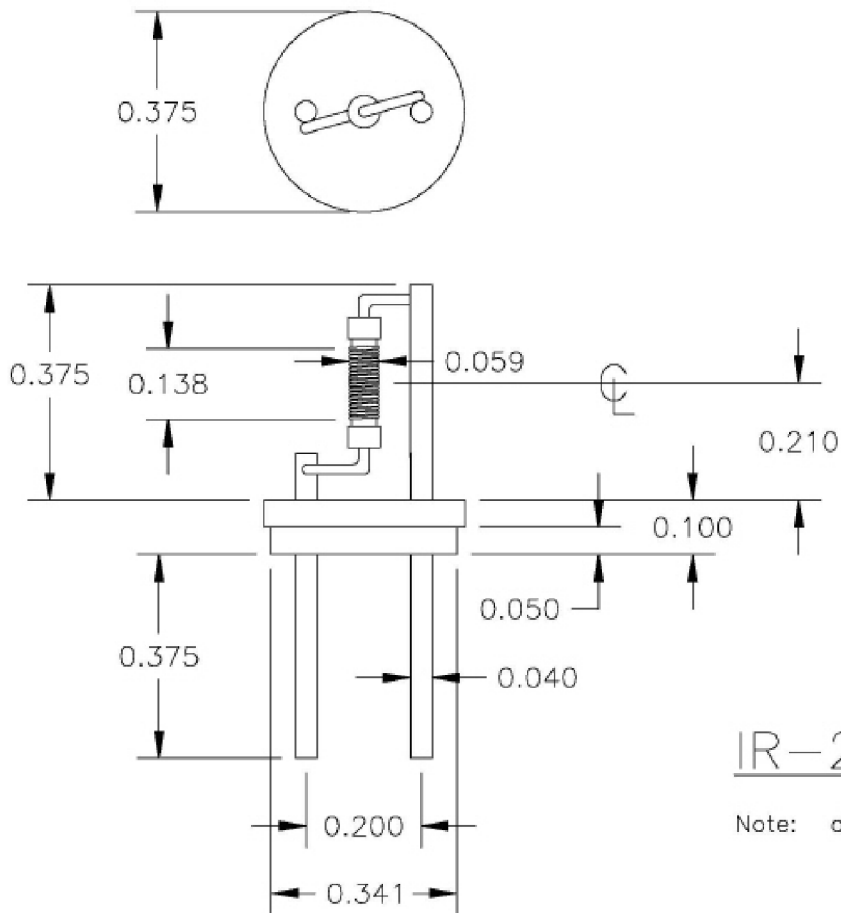




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IR-21V Emitter

Note: all dimensions in inches.



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HawkEye IR-2x Lifetime

HawkEye Technologies IR-2x Series

Lifetime tests conducted 9/2002-9/2009

