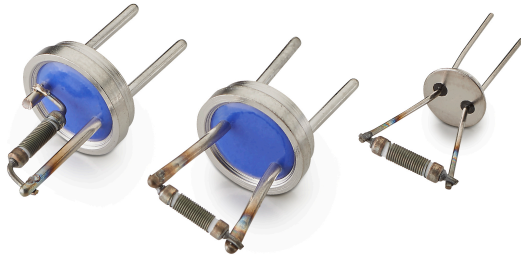


## Infrared Source Series 2x

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



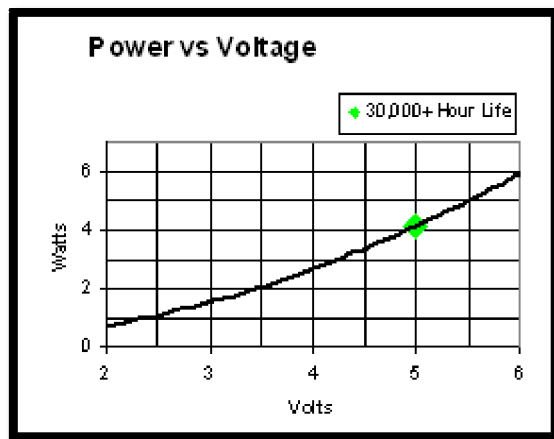
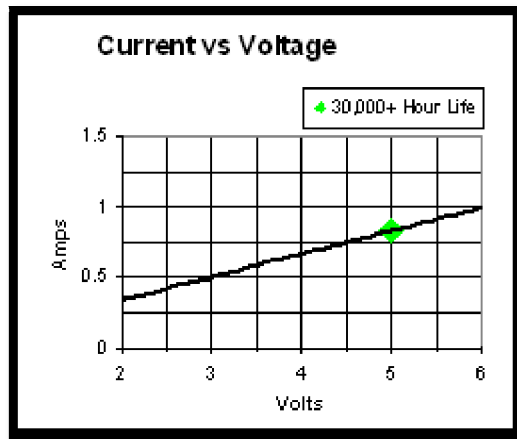
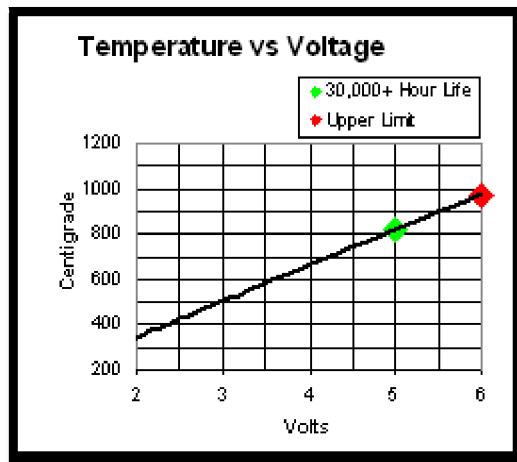
The coiled filament operates at approximately 800°C when powered with 4 watts. The radiating element is a coil of resistance wire which has a high emissivity in the Infrared spectral region. The coil is supported on a cylindrical substrate of alumina. Due to the reduced mass of this unit it can be pulsed 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.

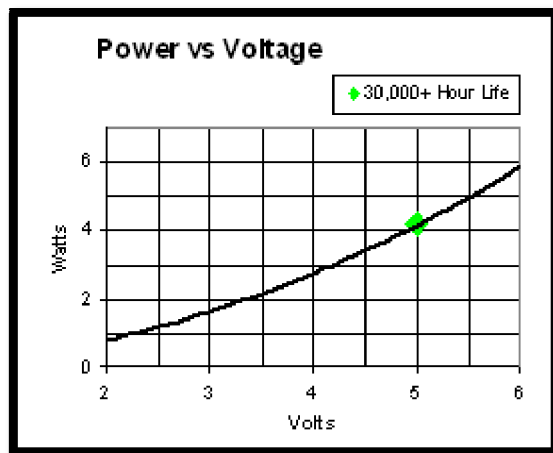
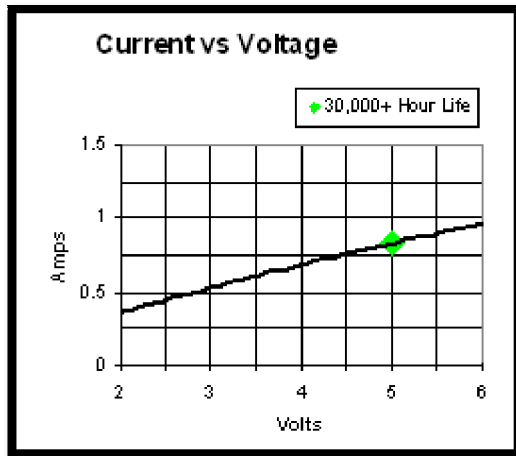
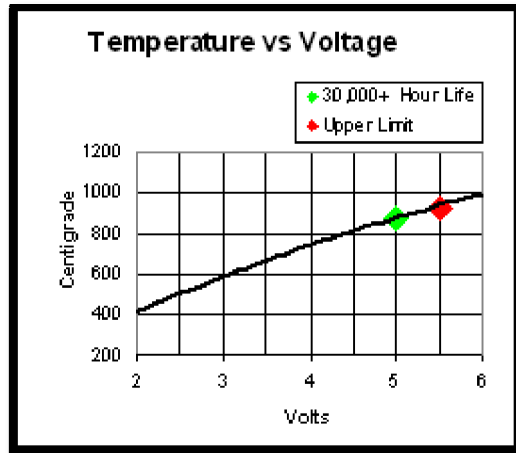
## Recommended Operating Parameters

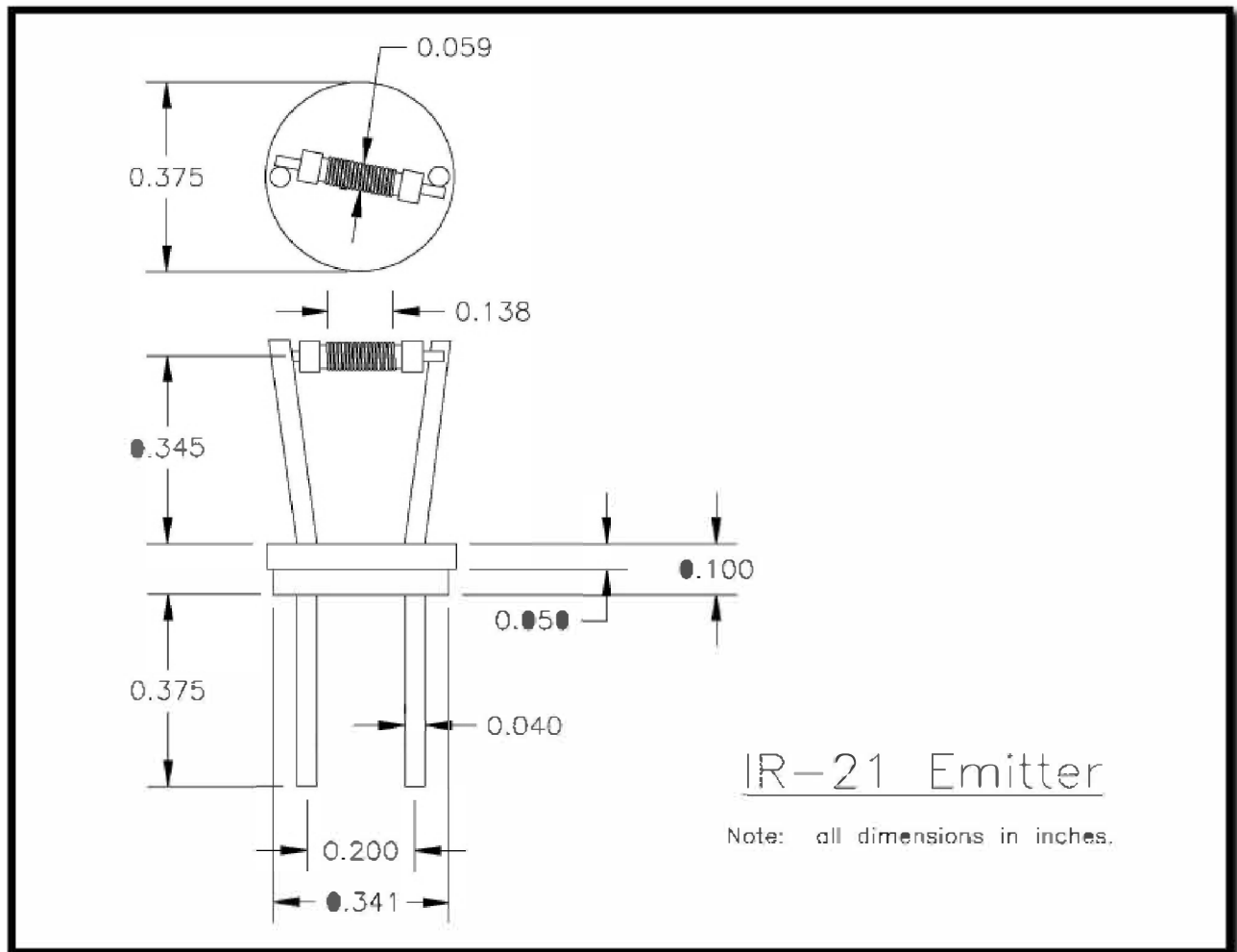
	IR-21	IR-22
<b>Voltage</b>	5.0 volts (AC or DC)	5.0 volts (AC or DC)
<b>Temp</b>	800° C	900°C
<b>Current</b>	0.8 Amperes	0.8 Amperes
<b>Power</b>	4.0 watts	4.0 watts
<b>Life</b>	30,000 Hours at 5 volts	30,000 Hours at 5 volts
<b>Emissivity</b>	0.80	0.80
<b>Active Area</b>	1.5 mm X 3.5 mm	1.5 mm X 3.5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

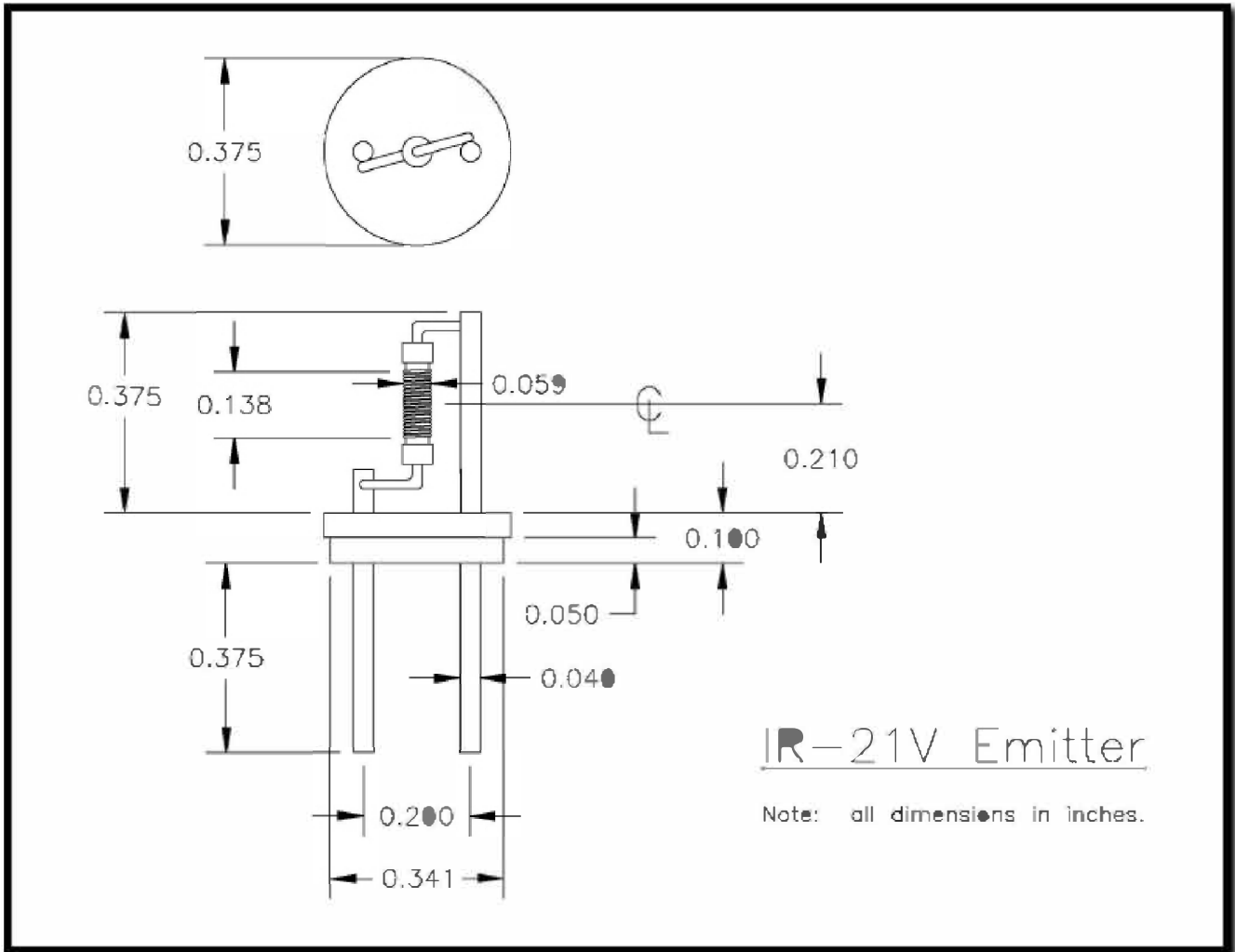
## HawkEye IR-21 Engineering Data Charts



## HawkEye IR-22 Engineering Data Charts







## HawkEye IR-2x Lifetime

### HawkEye Technologies IR-2x Series Lifetime tests conducted 9/2002-9/2009

