Infrared Source IR-43

- **Thin Film Laser Trimmed**
- **IR-43 operates at 600°C with 1.3 watts input**

This infrared source is a thermal emitter with an emissivity of ~80%. It is appropriate for use in laboratory or field instrumentation due to its long life and stable properties.

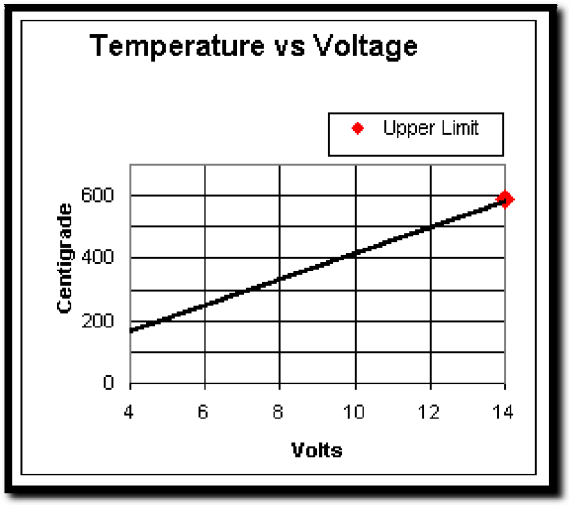
The IR-43 radiating element is an approximately 1.5 micron thin film of precision laser trimmed resistance material which is permanently bonded to a flat substrate of alumina. This contributes to a uniform radiating source and a stable platform. The thin film design results in a low mass of radiation material. The use of this radiating elements is suited for particular applications that do not required high temperature (up to 600 °C).

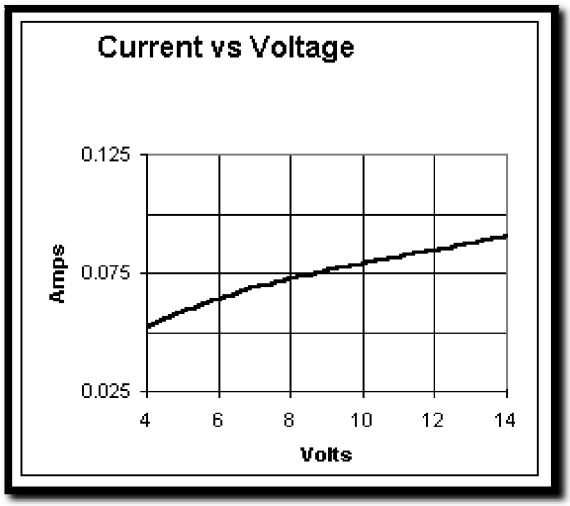
The stable performance of IR-43 makes it one of the best sellers. The unit is free standing on a TO-5 header. Without a directly connected mass to draw of heat, it is very responsive. The unit does not require operation in a sealed atmosphere. IR-43 operates at 600°C with 1.3 watts output.

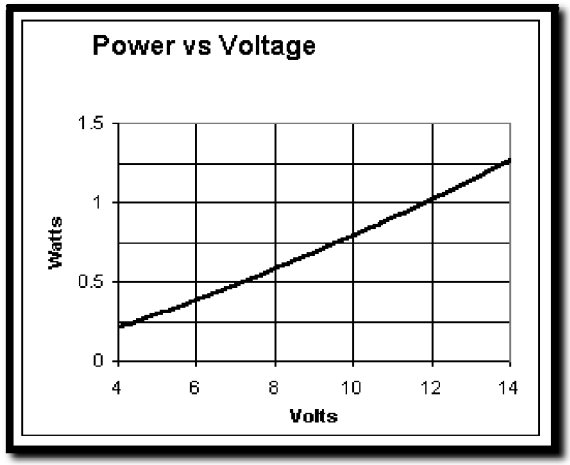
MAXIMUM OPERATING PARAMETERS:

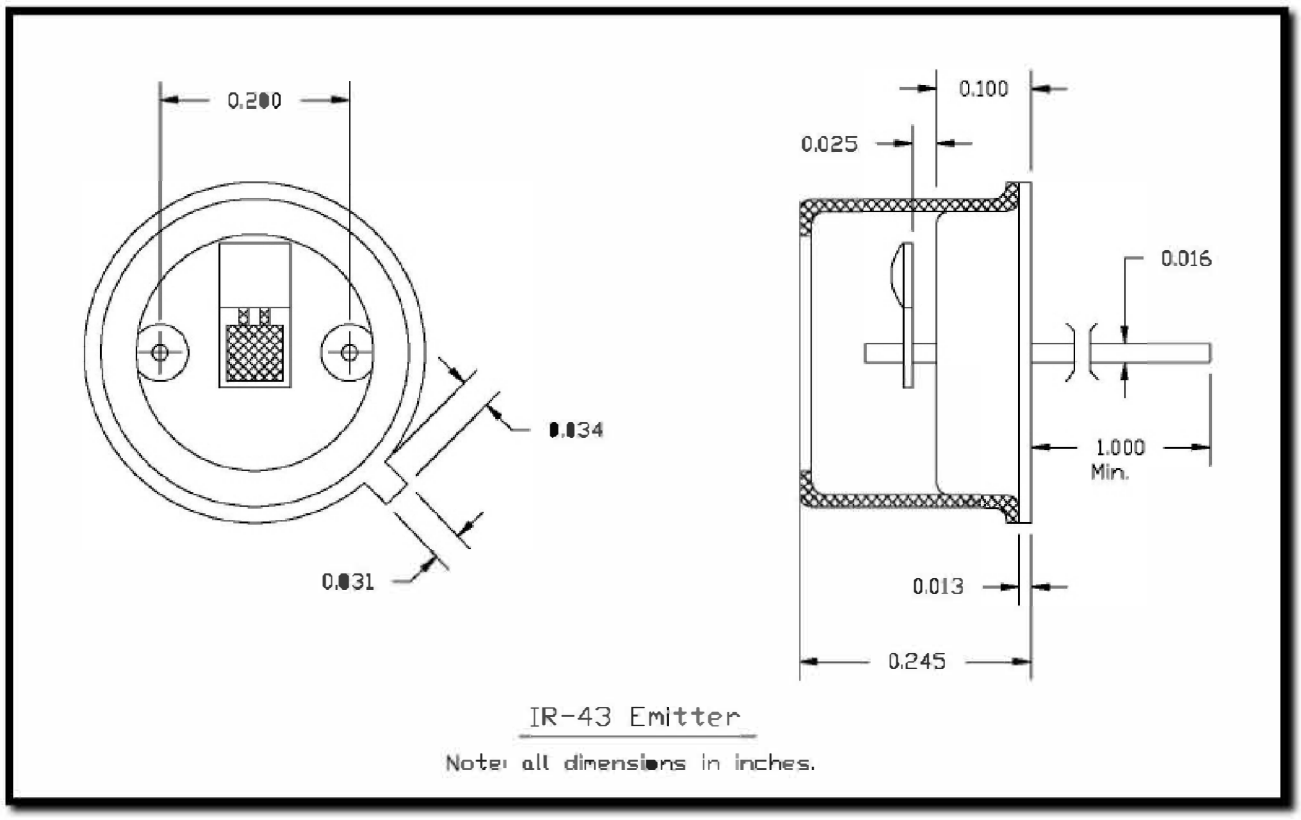
	IR-43
Voltage, V	14.0 (AC or DC)
Temperature, ° C	600
Current, A	0.09
Power, W	1.3
Life (typical)	> 25,000 hours at 500°C
Emissivity, %	0.80
Active Area	1.5 mm X 1.5 mm

IR-43 Engineering Data Charts









Your Source For InfraRed
HAWKEYE TECHNOLOGIES