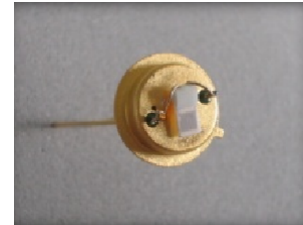


Infrared Source IR-43

- 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 input.

Maximum Operating Parameters

| | IR-43 |
|-------------|----------------------------|
| Voltage | 14.0 volts (AC or DC) |
| Temp | 600°C |
| Current | 0.09 Amperes |
| Power | 1.3 watts |
| Life | 3+ years at 500° C typical |
| Emissivity | 0.80 |
| Active Area | 1.5 mm X 1.5 mm |



HawkEye IR-43 Engineering Data Charts

