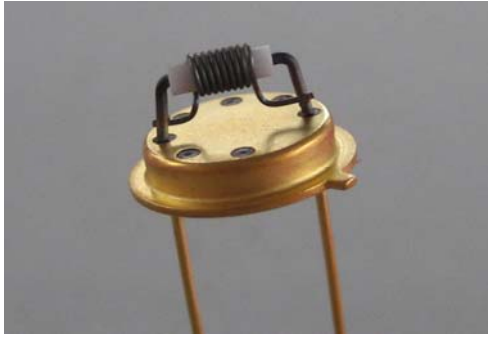


## Introducing: HawkEye Technologies New Infrared Source IR-30



The IR-30 is a coil-wound IR Source, mounted on a TO-5 header.

At steady state, the coiled filament operates at ~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. For example, when operated at 1 hertz, 50% duty cycle with 3.5 volts, 7.1 watts, the output is a well defined saw tooth with approximately 32% modulation depth.

This product can also be supplied coupled with a Parabolic or Elliptical Reflector in order to collimate or focus the energy.

### Characteristics and Recommended Operating Parameters:

Active Area	1.8 mm x 1.8 mm
Emissivity	approximately 0.75
Temperature	950 degrees C
Voltage	2.5 volts (AC or DC)
Current	1.7 amps
Lifetime	25,000 hours

### Engineering Data

