

## Infrared Emitters - SVF Series

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### Key Features

- Pulsable Sources of Black-body Radiation
- Emulates a Black-body in Spectral Distribution
- Ultra-thin Metallic Foil Active Element
- Parabolic Reflectors For Collimation and Uniformity
- Typical Emissivity 0.88



### PULSABLE INFRARED EMITTERS - SVF SERIES

Opto Diode SVF-series infrared (IR) emitters are designed to be used as pulsable sources of black-body radiation.

The radiating element in the pulsable emitters is an ultra-thin Opto Diode specific metallic foil configured so that radiation from both sides of the heated foil is efficiently directed out of the package along the optic axis. The foil material has typical emissivity of 0.88 and closely emulates a black-body source in spectral distribution. SVF-series emitters are designed to operate at a rated maximum foil temperature of 1000° Kelvin.

Standard SVF-series emitters are offered in sealed TO-5 or TO-8 packages in a variety of foil thickness and width.

Several standard window materials are available to tailor the output to specific wavelength ranges of interest.

SVF-series emitters are offered with an integral reflector. Standard parabolic reflectors provide near collimated and uniform radiation output. A variety of elliptical reflectors with varying focal lengths are also available for coupling into optical fibers or other applications.



















