Electro Optical Components, Inc.
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STEADY STATE IR SOURCE
MODEL EK-5270

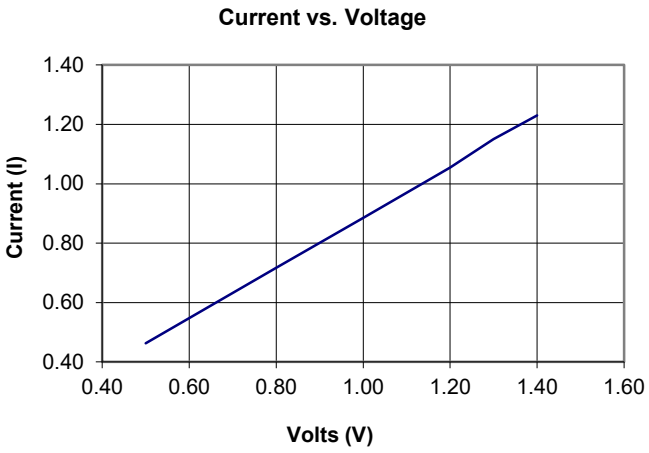
HelioWorks, Inc. offers a unique steady state black body infrared emitter in an industry standard TO-5 package with approximately 1.5 Watts input power at up to 950^{0}C (1223^{0}K). It has no window and therefore emits the full unattenuated blackbody spectrum.

Key Features Include:

Kanthal Filament with Emissivity = 0.7
Approximately 1.5 Watts input at 950^{0}C (1223^{0}K)
Emits full BB spectrum with No Window
Internal Gold Plated Parabolic Reflector
Industry Standard TO-5 Package

Electrical Specifications:

Peak Voltage = 1.3 Volts MAXIMUM
Peak Current = 1.2 Amps
Peak Power = 1.56 Watts

Current Vs. Voltage

V	I	W=VI (Watts)	R=V/I (Ohms)
0.50	0.46	0.23	1.08
0.80	0.72	0.57	1.12
1.00	0.89	0.89	1.13
1.20	1.05	1.26	1.14
1.30	1.15	1.50	1.13
1.40	1.23	1.72	1.14