

PULSABLE IR SOURCE Model EVF-555X

**NEW
PRODUCT!**

Helioworks, Inc. offers a unique pulsable black body infrared emitter in an industry standard TO-39 package with 1.6 Watts input power at a peak temperature of 700°C (973°K). The radiating element is vertically oriented and centered in a parabolic reflector so that radiation from both sides of the element is captured. Window options (X) include:
0 = no window, 1 = sapphire, 2 = Calcium Fluoride, 3 = Zinc Selenide.

Key features include:

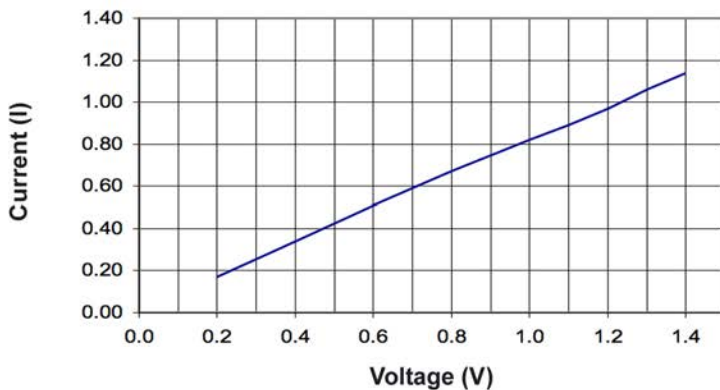
- NiCr Filament with emissivity = 0.88
- 1.6 Watts peak input power at 700°C(973°K)
- Operates in pulsed or steady state mode
- Industry standard TO-39 package
- Window options (X) include:
 - 0 = No Window
 - 1 = Sapphire
 - 2 = Calcium Fluoride
 - 3 = Zinc Selenide



Electrical Specifications:

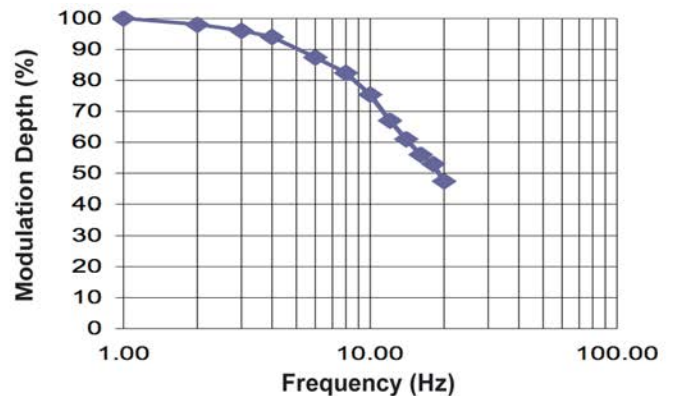
Peak Voltage = 1.40 Volts MAXIMUM
Peak Current = 1.14 Amps MAXIMUM
Peak Power = 1.6 Watts

Current vs. Voltage



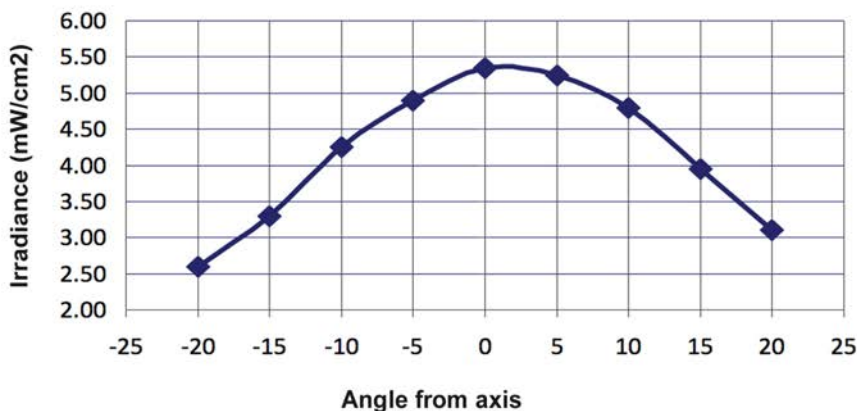
Modulation (%) vs. Frequency (Hz)

(50% Duty Cycle)



Irradiance vs Angle From Axis

Volts = 1.3, Distance = 2 in from face of cap



Angle from axis (degrees)	Irradiance (mW/cm2)
-20	2.60
-15	3.30
-10	4.25
-5	4.90
0	5.35
5	5.25
10	4.80
15	3.95
20	3.10