

Specifications:

HIGH POWER IR-LED

Description

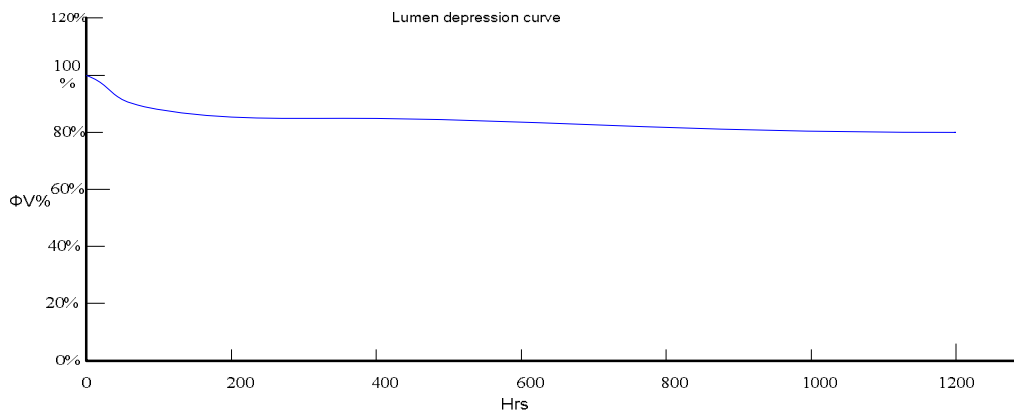
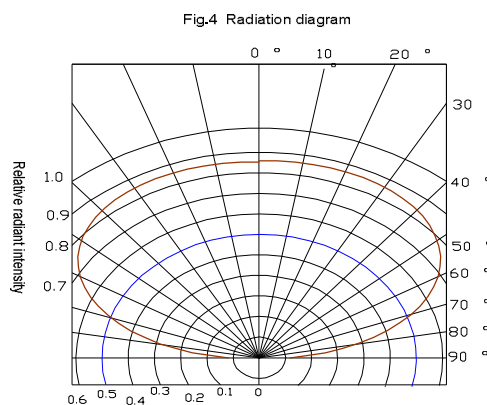
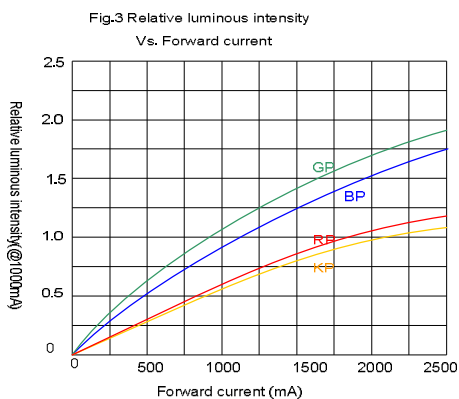
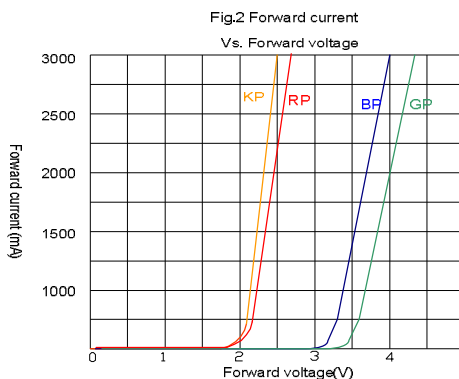
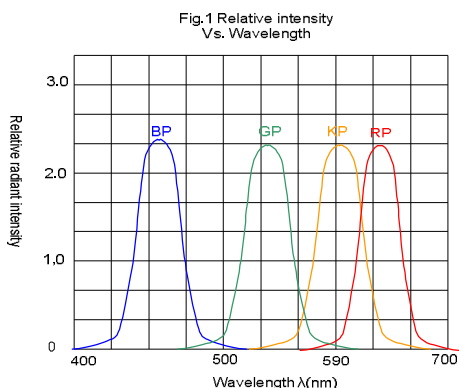
5W IR740 Wavelength: 740nm/ 2.0-2.6V/ 1400mA

Package Dimensions(mm)

Notes

1. All dimensions are in millimeters (mm).
2. Tolerance is $\pm 0.25\text{mm}$ unless otherwise noted.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.

Typical Electro-Optical Characteristics Curves



Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test Condition
Luminous Intensity	\emptyset	210		230	mW	IF=1400mA
Viewing Angle	$2\theta_{1/2}$		140		deg	IF=1400mA
Dominant Wavelength	Tc				K	IF=1400mA
Spectral Line Half-Width	$\Delta\lambda$	740		745	nm	IF=1400mA
Forward Voltage	VF	1.7		2.2	V	IF=1400mA
Reverse Current	IR			20	uA	VR=5V

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Rating
Power Dissipation	5W
Peak Forward Current (1/10 Duty Cycle, 0.1ms Pulse Width)	1000mA
Continuous Forward Current	1400mA
Reverse Voltage	5V
Operating Temperature Range	-20°C to +60°C
Storage Temperature Range	-20°C to +60°C
Lead Soldering Temperature [1.6mm(.63")From Body]	260°C for 5 Seconds

Package Dimensions(mm)

