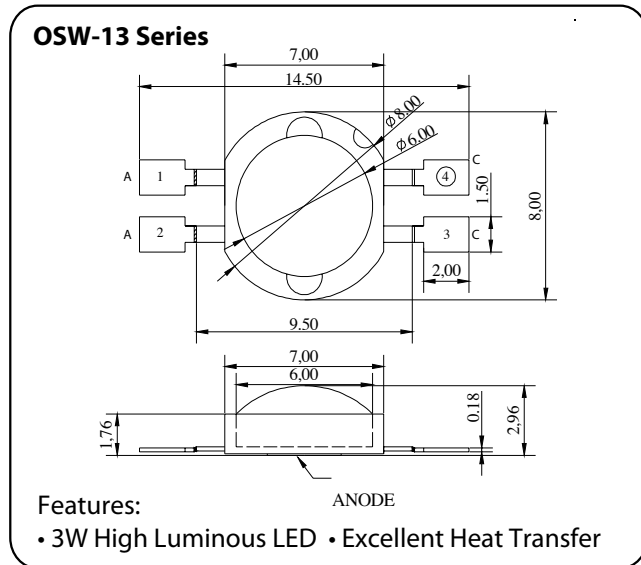


High Power LED



Typical Electrical/Optical Characteristic Curves
 (25°C Ambient Temperature Unless Otherwise Noted)

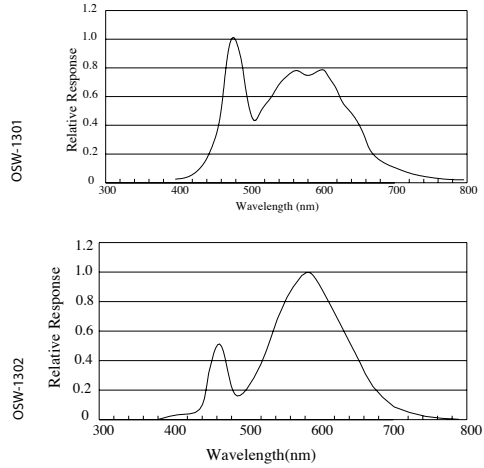
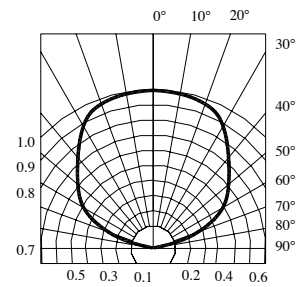
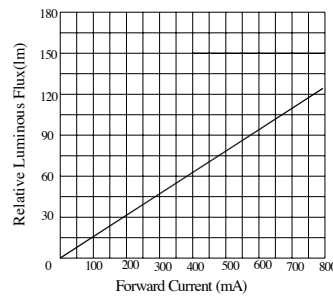
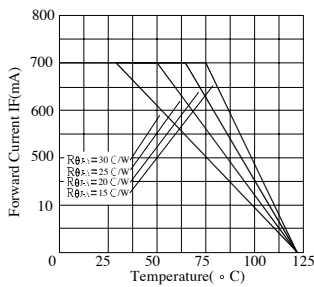


Fig.1 WHITE LED Spectrum VS. WAVELENGTH

Diagram(s)



Ambient Temperature VS. Forward Current

Forward Current VS. Luminous Flux

Radiation Diagram

Maximum Ratings at Ta=25°C

Reverse Voltage (<100µA)	5.0V
D.C. Forward Current	700mA
Pulse Current (tp < 100µs, duty cycle = 0.005)*1	1000mA
Operating Temperature Range	-40 to +75 °C
Storage Temperature Range	-40 to +105 °C
Soldering Temperature Reflow Soldering	260°C for 10 secs
Soldering Temperature Hand Soldering	350°C for 3 secs

Electrical & Optical Characteristics at Ta=25°C

Ant Part No.	LED Chip		Correlated Colour Temperature (°K)			Luminous Flux (lm) at 1500mA			Forward Voltage (V) at 1500mA		Viewing Angle 2θ ^{1/2} (deg)	Thermal Resistance Junction to Case (°C/W)	Reverse Current (µA)	Temp Co-Efficient of Forward Voltage (mV/°C)
	Emitted Colour	Lens Colour	min.	typ.	max.	min.	typ.	max.	min.	max.				
OSW-1301	White	Water Clear	5000	6500	9000	67	110	147.6	2.7	4.25	120	10	50	-2
OSW-1302	Warm White	Water Clear	2700	3200	3700	51	70	113	2.7	4.25	120	10	50	-2

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