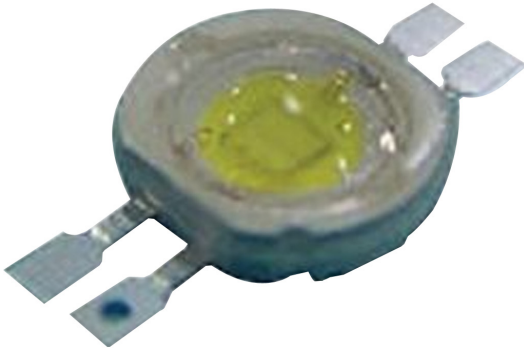


LED

5W Hi Power SMD White



Features:

- 5W High Luminous LED
- Excellent Heat Transfer

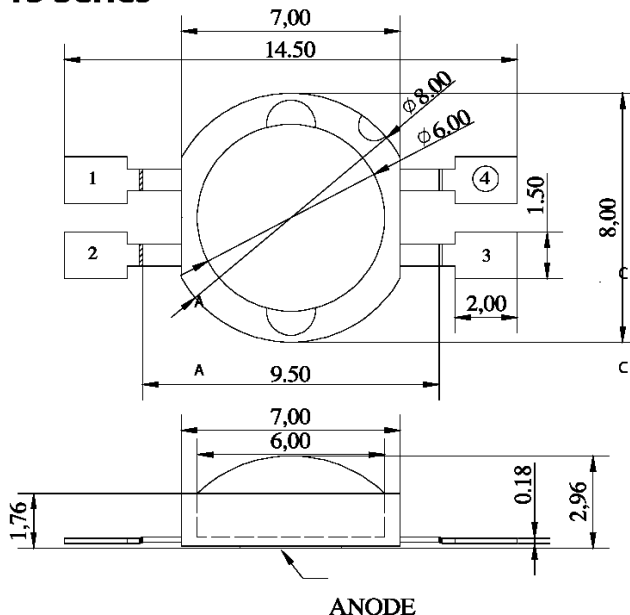
Specifications:

Series	: OSW-15
LED Colour	: Cool White
Forward Current If Max	: 1.5A
LED Mounting	: SMD
No. of Pins	: 4
Bulb Size	: 6mm

Maximum Ratings at Ta=25°C

Reverse Voltage (<100μA)	: 5V
D.C. Forward Current	: 1,500mA
Pulse Current (tp <100μS, duty cycle = 0.005)*1	: 2,000mA
Operating Temperature Range	: -40°C to +75°C
Storage Temperature Range	: -40°C to +100°C
Soldering Temperature Reflow Soldering	: 260°C for 10 secs
Soldering Temperature Hand Soldering	: 350°C for 3 secs

OSW-15 Series



Dimensions : Millimetres

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

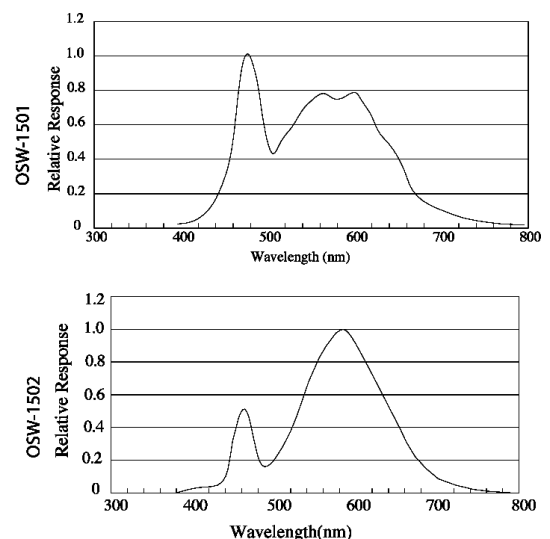


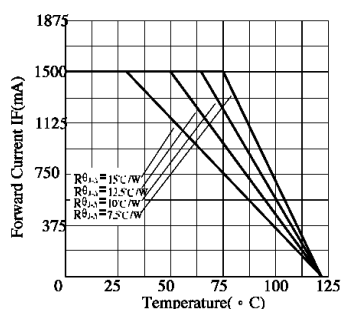
Fig.1 White Led Spectrum Vs. Wavelength

LED

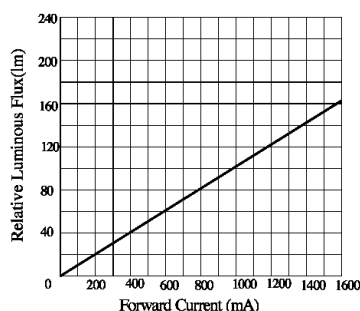
5W Hi Power SMD White



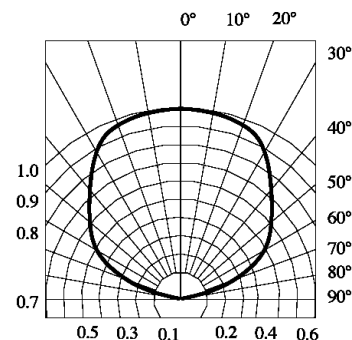
Diagram(s)



Ambient Temperature VS. Forward Current



Forward Current VS. Luminous Flux



Radiation Diagram

Electrical & Optical Characteristics at Ta = 25°C

LED Chip	Lens Colour	Correlated Colour Temperature (K)			Luminous Flux (1m) 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		min.	typ.	max.	min.	typ.	max.	min.	max.	120	10	50	-2
White	Water Clear	5000	6500	9000	147	200	323	2.7	4.25				
Warm White		2700	3200	3700	113	150	248						

Dimensions : Millimetres

Part Number Table

Description	Part Number
LED 5W Hi Power SMD White	OSW-1501
LED 5W Rnd Hi Power SMD Warm White	OSW-1502

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