

Features

- Small 0603 footprint
- Very wide viewing angle
- Water clear lens

Max. Ratings at T_A = 25°C

Reverse Voltage (<100µA)	: 5V
D.C. Forward Current	: 30mA
Pulse Current (Pulse Width of 0.1 ms, 1/10 Duty Cycle)	: 80mA
Operating Temperature Range	: -30°C to +80°C
Storage Temperature Range	: -40°C to +85°C
Soldering Temperature Reflow Soldering	: 260°C for 10s

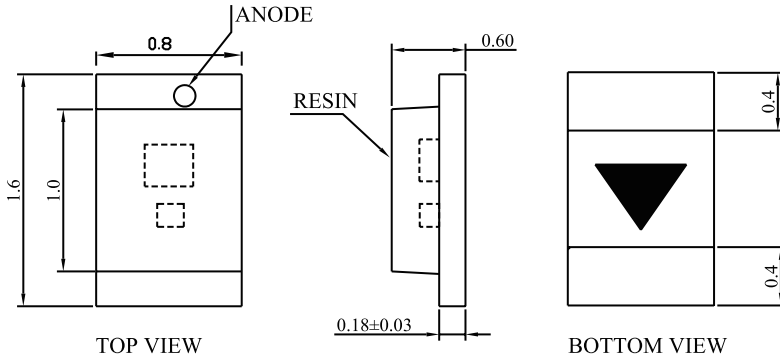
Electrical and Optical Characteristics at T_A = 25°C

Part Number	LED Chip			Co-Ordinates for CIE Chromaticity at 20mA		Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20 mA		Viewing Angle 2θ ^{1/2}
	Material	Emitted Colours	Brightness	X Axis	Y Axis	Minimum	Typical	Typical	Max.	
OVS-0601	InGaN / Sapphire	White	Mega	0.31	0.3	244	340	3.2	4	140 Deg.

Part Number	LED Chip			Dominant Wavelength (nm) at 20mA	Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20 mA		Viewing Angle 2θ ^{1/2}
	Material	Emitted Colours	Brightness		Minimum	Typical	Typical	Max.	
OVS-0603	InGaN / Sapphire	Blue	Mega	465	51.6	100	3.2	4	130 Deg.
OVS-0604		True Green		520	165	300			
OVS-0606	AlGaInP / Si	Yellow		589	244	350	2.1	2.5	
OVS-0608		Red		625	165	300		2.6	

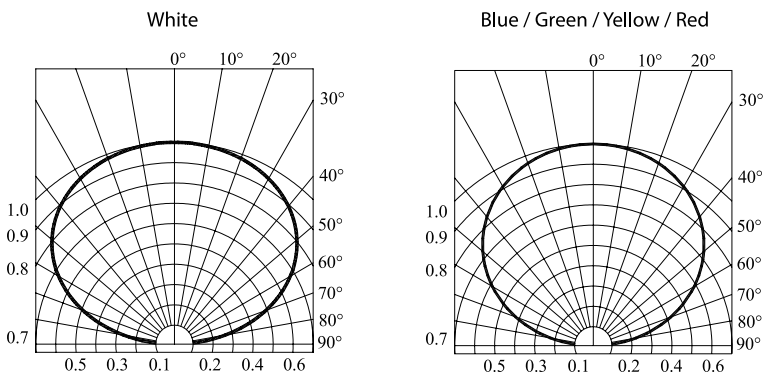
Diagram

OVS-06 Series



Dimensions : Millimetres

Radiation Diagrams



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