

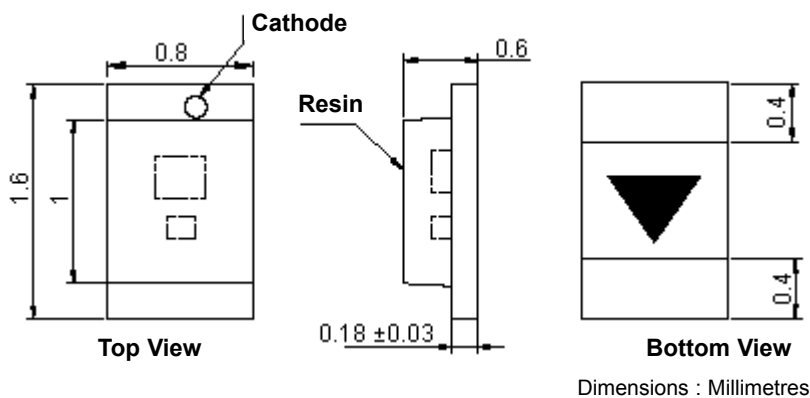
SMD Super Bright LED



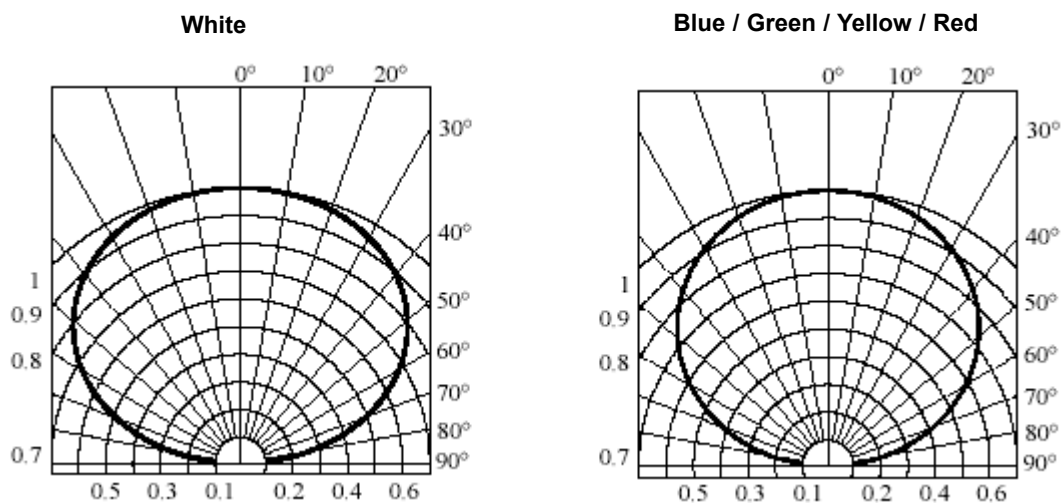
Features:

- Small 0603 footprint
- Very wide viewing angle

OVS-06 Series



Radiation Diagrams



SMD Super Bright LED



Maximum Ratings at Ta = 25°C

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

Electrical and Optical Characteristics at Ta = 25° C

LED Chip			Lens Colours	Dominant Wavelength (nm) at 20 mA		Luminous Intensity (mcd) at 20 mA		Forward Voltage (V) at 20 mA		Viewing Angle 2θ ^{1/2} (°)	Part Number
Material	Emitted Colours	Brightness				Minimum	Typical	Typical	Maximum		
InGaN / Sapphire	Blue	Mega	Water Clear	465	51.6	100	3.2	4	130	OVS-0603	
InGaN / Sapphire	True Green			520	165	300				OVS-0604	
A1GaInP / Si	Yellow			589	244	350	2.1	2.5		OVS-0606	
LED Chip			Lens Colours	Co-Ordinates for CIE Chromaticity at 20 mA		Luminous Intensity (mcd) at 20 mA		Forward Voltage (V) at 20 mA		Viewing Angle 2θ ^{1/2} (°)	Part Number
Material	Emitted Colours	Brightness		X Axis	Y Axis	Minimum	Typical	Typical	Maximum		
InGaN / Sapphire	White	Mega	Yellow Diffused	0.31	0.3	244	340	3.2	4	140	OVS-0601

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