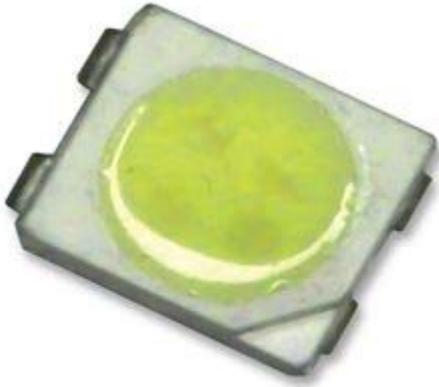


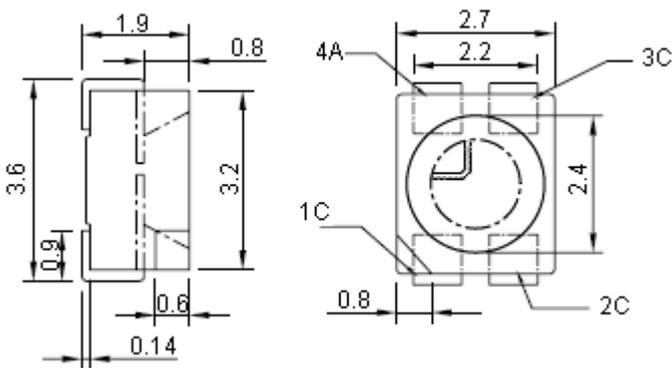
SMD Super Bright LEDs



Features:

- Standard PLCC-4 package
- High reliability LED package
- Super wide viewing angle

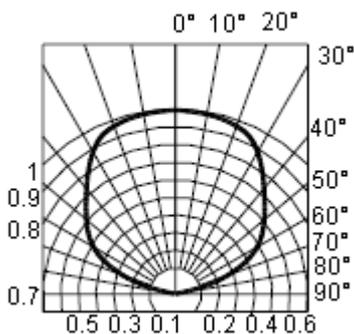
OVS-30 Series



Dimensions : Millimetres

Note: Electrical connections for all cathodes recommended

Radiation Diagrams



Maximum Ratings at $T_a = 25^\circ\text{C}$

Reverse Voltage (<math><100 \mu\text{A}</math>)	: 5 V
D.C. Forward Current	: 30 mA
Pulse Current (Pulse Width of 0.1 ms, 1 / 10 Duty Cycle)	: 100 mA
Operating Temperature Range	: -25 to +85°C
Storage Temperature Range	: -40 to +100°C
Soldering Temperature Dip Soldering	: 260°C for 5 Seconds
Soldering Temperature Hand Soldering	: 350°C for 3 Seconds

SMD Super Bright LEDs



Electrical and Optical Characteristics at T_a = 25° C

LED Chip			Lens Colour	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	80	200	3.2	4	120	OVS-3003	
InGaN / Sapphire	True Green			520	270	500					
A1GaInP / Si	Yellow			589	200	450	2.1	2.5		OVS-3006	
LED Chip			Lens Colour	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 Colour	Brightness		X Axis	Y Axis	Minimum	Typical	Typical	Maximum		
InGaN / Sapphire	White	Mega	Water Clear	0.31	0.3	500	1,250	3.2	4	120	OVS-3001

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