

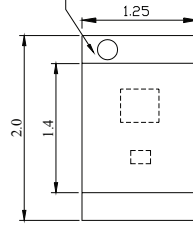
SMD Super Bright LED

OVS-08 Series

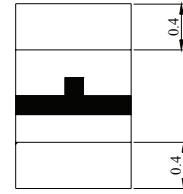
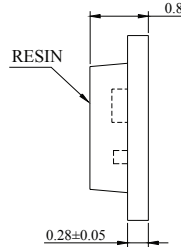
Features:

- Standard 0805 Package
- Wide Viewing Angle

CATHODE MARK

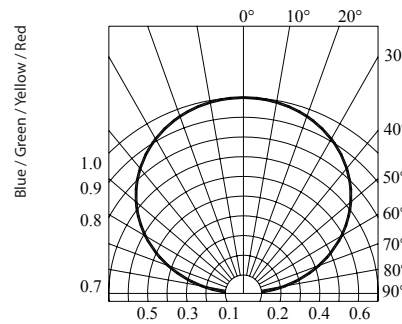
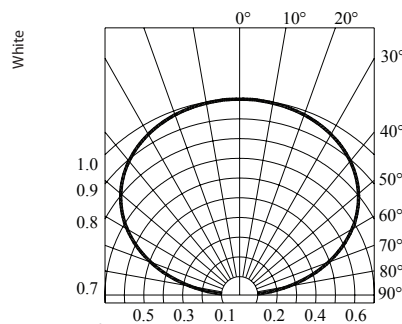


TOP VIEW



BOTTOM VIEW

Radiation Diagram(s)



Maximum Ratings at Ta=25°C

Reverse Voltage (<math><100\mu A</math>)	5.0V
D.C. Forward Current	30mA
Pulse Current (Pulse Width of 0.1ms, 1/10 Duty Cycle)	80mA
Operating Temperature Range	-30 to +80°C
Storage Temperature Range	-40 to +85°C
Soldering Temperature Reflow Soldering	260°C for 10 secs

Electrical & Optical Characteristics at Ta=25°C

Ant Part No.	LED Chip			Lens Colour	Dominant Wavelength (nm) at 20mA	Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20mA		Viewing Angle 2θ ^{1/2} (deg)
	Material	Emitted Colour	Brightness			min.	typ.	typ.	max.	
OVS-0803	InGaN / Sapphire	Blue	Mega	Water Clear	465	51.6	100	3.2	4.0	130
OVS-0804	InGaN / Sapphire	True Green	Mega	Water Clear	520	165	300	3.2	4.0	130
OVS-0806	A1GaN/P/Si	Yellow	Mega	Water Clear	589	244	400	2.1	2.5	130
OVS-0808	A1GaN/P/Si	Red	Mega	Water Clear	625	165	300	2.1	2.6	130

Ant Part No.	LED Chip			Lens Colour	Co-Ordinates for CIE Chromaticity at 20mA		Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20mA		Viewing Angle 2θ ^{1/2} (deg)
	Material	Emitted Colour	Brightness		X Axis	Y Axis	min.	typ.	typ.	max.	
OVS-0801	InGaN/Sapphire	White	Mega	Water Clear	0.31	0.30	244	400	3.2	4.0	140

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