

Features

- High Luminance
- High Operating Temperature
- Industry Standard 7.62mm Square Package

Specifications

Maximum Ratings at Ta=25°C

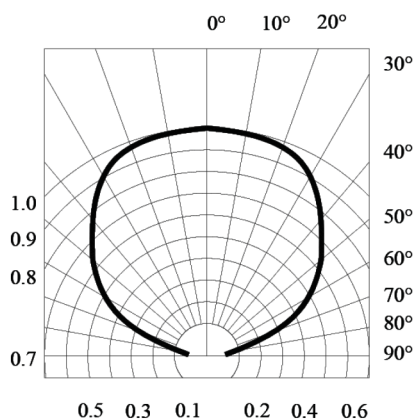
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|---|--------------------|
| • Reverse Voltage (<100μA) | : 5V |
| • D.C. Forward Current | : 30mA |
| • Pulse Current (Pulse Width of 0.1ms, 1/10 Duty Cycle) | : 100mA |
| • Operating Temperature Range | : -40°C to +100°C |
| • Storage Temperature Range | : -40°C to +100°C |
| • Soldering Temperature Dip Soldering | : 260°C for 5 secs |
| • Soldering Temperature Hand Soldering | : 350°C for 3 secs |

Electrical & Optical Characteristics at Ta=25°C

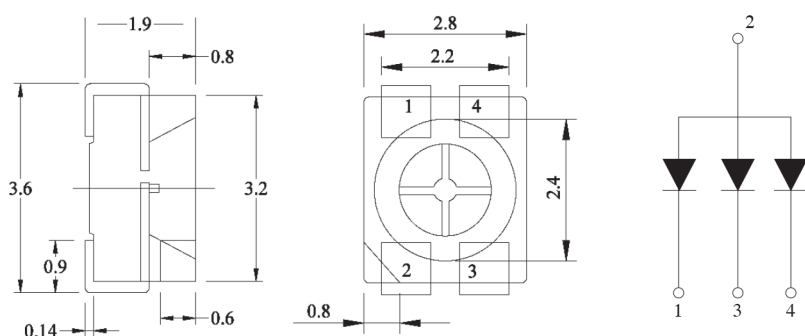
Part Number	LED Chip			Lens Colour	Dominant Wavelength (nm) at 20mA	Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20mA		Viewing Angle 2θ ^{1/2} (deg)
	Material	Emitted Colour	Brightness			Min.	Typ.	Typ.	Max.	
OVS-3303	InGaN / Sapphire	Blue	Mega	Water Clear	465	370	540	3.2	4	120
OVS-3304		True Green			520	700	1,550			
OVS-3306	A1GaInP/Si	Yellow			591	700	1,340	2.1	2.6	

Part Number	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-3301	InGaN / Sapphire	White	Mega	Water Clear	0.31	0.3	1,950	3,300	3.2	4	120

Radiation Diagrams



Diagram



Part Number Table

Description	Part Number
LED 3.2mm × 2.7mm × 1.9mm SMD HB 3 Chip White	OVS-3301
LED 3.2mm × 2.7mm × 1.9mm SMD HB 3 Chip Blue	OVS-3303
LED 3.2mm × 2.8mm × 1.9mm SMD HB 3 Chip Green	OVS-3304
LED 3.2mm × 2.8mm × 1.9mm SMD HB 3 Chip Yellow	OVS-3306

Dimensions : Millimetres

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