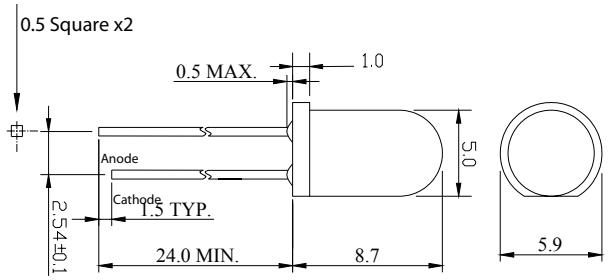
5.0mm Round LED Lamp

OVL-55 Series

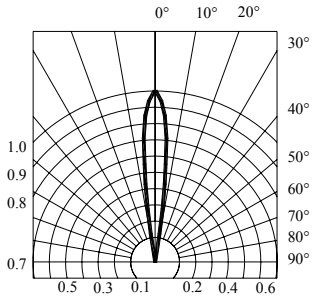
Features:
- Standard 5mm round package
- High luminous output
- Water clear lens



Maximum Ratings at Ta=25°C

Reverse Voltage (<100μA) 5.0V
D.C. Forward Current 30mA
Pulse Current (Pulse Width of 0.1ms, 1/10 Duty Cycle) 100mA
Operating Temperature Range ..... -25 to +85°C
Storage Temperature Range ..... -40 to +100°C
Soldering Temperature Dip Soldering ..... 260°C for 5 secs
Soldering Temperature Hand Soldering ..... 350°C for 3 secs

Radiation Diagrams



Electrical & Optical Characteristics at Ta=25°C

Ant Part No.	LED Chip Material	LED Chip Emitted Colour	LED Chip Brightness	Lens Colour	Dominant Wavelength (nm) at 20mA	Luminous Intensity (mcd) at 20mA min.	Luminous Intensity (mcd) at 20mA typ.	Forward Voltage (V) at 20mA typ.	Forward Voltage (V) at 20mA max.	Viewing Angle $2\theta_{1/2}$ (deg)
OVL-5523	InGaN / Sapphire	Blue	Mega	Water Clear	465	1950	4300	3.2	4.0	15
OVL-5524	InGaN / Sapphire	True Green	Mega	Water Clear	520	4800	13000	3.2	4.0	15
OVL-5528	A1GaInP/Si	Red	Mega	Water Clear	625	4290	7500	2.1	2.6	15
OVL-5526	A1GaInP/Si	Yellow	Mega	Water Clear	589	4200	10000	2.1	2.5	15

Ant Part No.	LED Chip Material	LED Chip Emitted Colour	LED Chip Brightness	Lens Colour	Co-Ordinates for CIE Chromaticity at 20mA X Axis	Co-Ordinates for CIE Chromaticity at 20mA Y Axis	Luminous Intensity (mcd) at 20mA min.	Luminous Intensity (mcd) at 20mA typ.	Forward Voltage (V) at 20mA typ.	Forward Voltage (V) at 20mA max.	Viewing Angle $2\theta_{1/2}$ (deg)
OVL-3321	InGaN/Sapphire	White	Mega	Water Clear	0.31	0.30	8500	18000	3.2	4.0	15

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