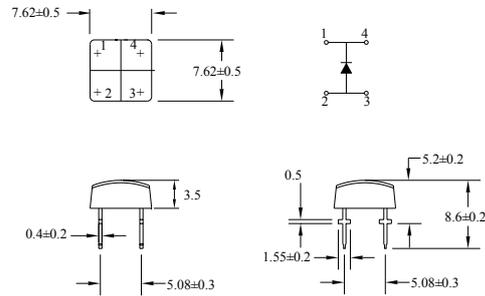


# High Power Super Flux LED

## OVA-10 Series

### Features:

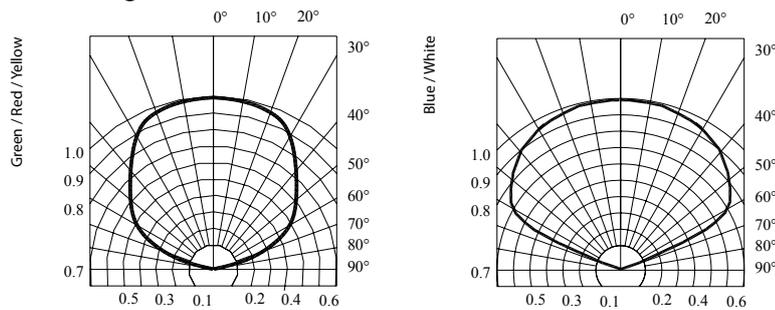
- High Luminance
- High Operating Temperature
- Industry Standard 7.62mm Square Package



### 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 .....	-40 to +100°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			Lens Colour	Dominant Wavelength (nm) at 20mA	Luminous Intensity (mcd) at 20mA		Forward Voltage (V) at 20mA		Viewing Angle 2θ <sup>1/2</sup> (deg)
	Material	Emitted Colour	Brightness			min.	typ.	typ.	max.	
OVA-1063	InGaN / Sapphire	Blue	Mega	Water Clear	465	80	150	3.2	4.0	130
OVA-1064	InGaN / Sapphire	True Green	Mega	Water Clear	520	270	540	3.2	4.0	120
OVA-1068	A1GaInP/Si	Red	Mega	Water Clear	625	200	400	2.1	2.6	120
OVA-1066	A1GaInP/Si	Yellow	Mega	Water Clear	589	200	520	2.1	2.5	120

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 <sup>1/2</sup> (deg)
	Material	Emitted Colour	Brightness		X Axis	Y Axis	min.	typ.	typ.	max.	
OVA-1061	InGaN/Sapphire	White	Mega	Water Clear	0.31	0.30	370	850	3.2	4.0	130

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