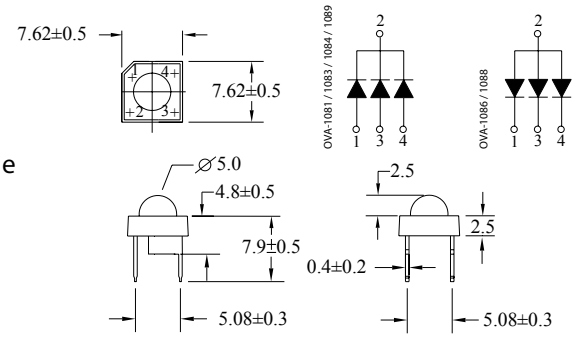
High Power Super Flux LED

OVA-10 Series

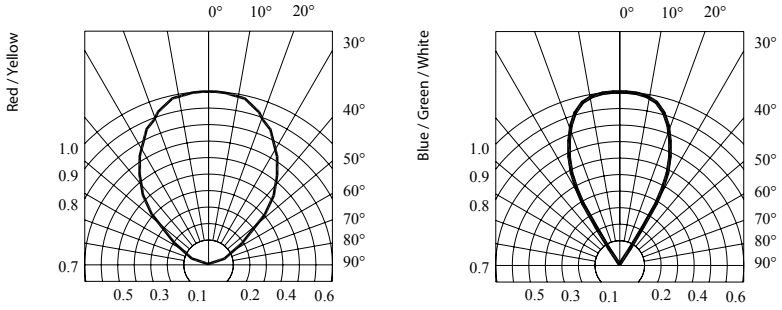
Features:
- High Luminance
- High Operating Temperature
- Industry Standard 7.62mm Square Package



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 $2\theta^{1/2}$ (deg)
	Material	Emitted Colour	Brightness			min.	typ.	typ.	max.	
OVA-1083	InGaN / Sapphire	Blue	Mega	Water Clear	465	700	1500	3.2	4.0	60
OVA-1084	InGaN / Sapphire	True Green	Mega	Water Clear	520	2700	4500	3.2	4.0	60
OVA-1088	A1GaInP/Si	Red	Mega	Water Clear	625	1400	2700	2.1	2.6	90
OVA-1086	A1GaInP/Si	Yellow	Mega	Water Clear	589	1000	2200	2.1	2.6	90

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 $2\theta^{1/2}$ (deg)
	Material	Emitted Colour	Brightness		X Axis	Y Axis	min.	typ.	typ.	max.	
OVA-1081	InGaN/Sapphire	White	Mega	Water Clear	0.31	0.30	2750	8500	3.2	4.0	60

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