

High Power Super Flux LED

OVA-10 Series

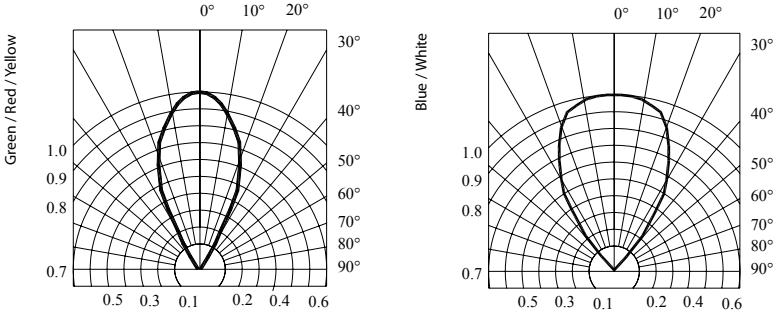
Features:

- 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 ^{1/2} (deg)
	Material	Emitted Colour	Brightness			min.	typ.	typ.	max.	
OVA-1023	InGaN / Sapphire	Blue	Mega	Water Clear	465	200	500	3.2	4.0	65
OVA-1024	InGaN / Sapphire	True Green	Mega	Water Clear	520	1950	3800	3.2	4.0	50
OVA-1028	AlGaInP/Si	Red	Mega	Water Clear	625	1400	2800	2.1	2.6	50
OVA-1026	AlGaInP/Si	Yellow	Mega	Water Clear	589	1400	3000	2.1	2.5	50

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.	
OVA-1021	InGaN/Sapphire	White	Mega	Water Clear	0.31	0.30	1400	3300	3.2	4.0	65

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