

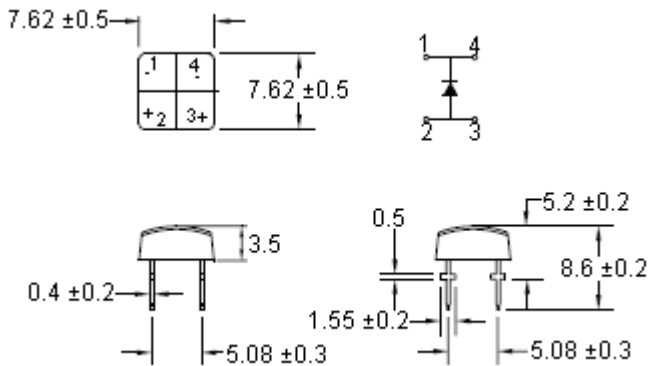
High Power Super Flux LEDs



Features:

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

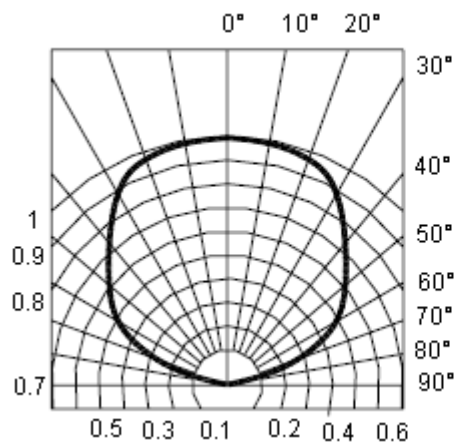
OVS-10 Series



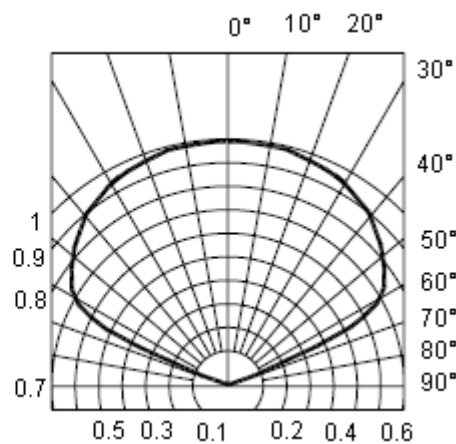
Dimensions : Millimetres

Radiation Diagrams

Green / Red / Yellow



Blue / White



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Maximum Ratings at T_a = 25°C

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

Electrical and Optical Characteristics at T_a = 25°C

LED Chip			Lens Colours	Dominant Wavelength (nm) at 20 mA	Luminous Intensity (mcd) at 20 mA		Forward Voltage (V) at 20 mA		Viewing Angle 2θ ^{1/2} (°)	Part Number	
Material	Emitted Colours	Brightness			Minimum	Typical	Typical	Maximum			
InGaN / Sapphire	Blue	Mega	Water Clear	465	80	150	3.2	4	130	OVA-1063	
	True Green			520	270	540					
AlGaInP / Si	Red			625	200	400	2.1	2.6	120	OVA-1068	
	Yellow			589		520		2.5			OVA-1066
LED Chip			Lens Colours	Co-Ordinates for CIE Chromaticity at 20 mA		Luminous Intensity (mcd) at 20 mA		Forward Voltage (V) at 20 mA		Viewing Angle 2θ ^{1/2} (°)	Part Number
Material	Emitted Colours	Brightness		X Axis	Y Axis	Minimum	Typical	Typical	Maximum		
InGaN / Sapphire	White	Mega	Water Clear	0.31	0.3	370	850	3.2	4	130	OVA-1061

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