

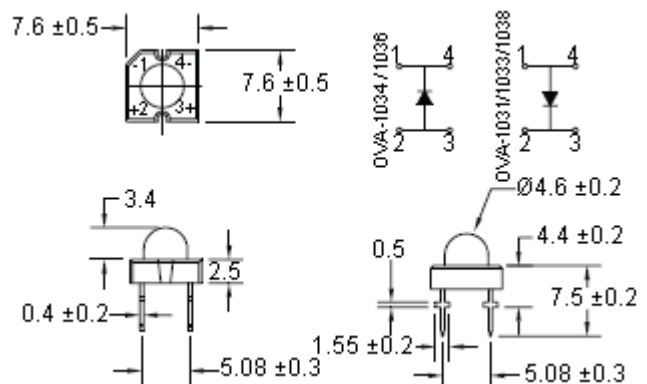
High Power Super Flux LEDs



Features:

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

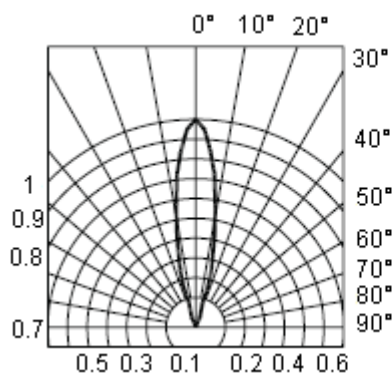
OVS-10 Series



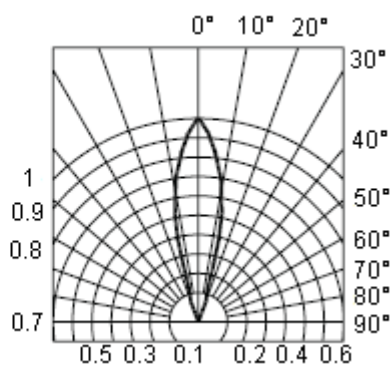
Dimensions : Millimetres

Radiation Diagrams

Green / Red / Yellow



Blue / White



High Power Super Flux LEDs



Maximum Ratings at $T_a = 25^\circ\text{C}$

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 $+100^\circ\text{C}$
Storage Temperature Range	: -40 to $+100^\circ\text{C}$
Soldering Temperature Dip Soldering	: 260°C for 5 s
Soldering Temperature Hand Soldering	: 350°C for 3 s

Electrical and Optical Characteristics at $T_a = 25^\circ\text{C}$

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	700	1,700	3.2	4	25	OVA-1033	
	True Green			520	4,800	7,700			20	OVA-1034	
AlGaInP / Si	Red			625	2,750	6,550	2.1	2.6		OVA-1038	
	Yellow			589	4,800	9,500		2.5		OVA-1036	
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} (°)
Material	Emitted Colours	Brightness	X Axis		Y Axis	Minimum	Typical	Typical	Maximum		
InGaN / Sapphire	White	Mega	Water Clear	0.31	0.3	244	400	3.2	4	25	OVA-1031

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