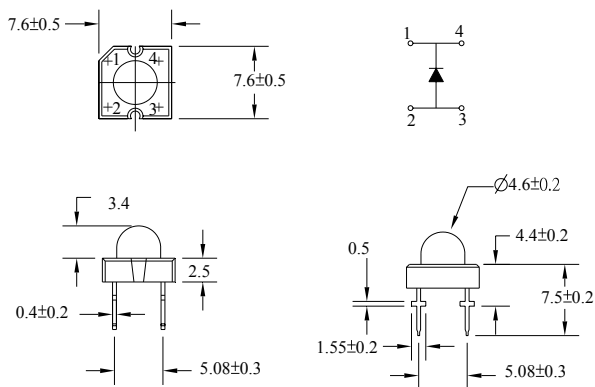


High Power Super Flux LEDs



Features:

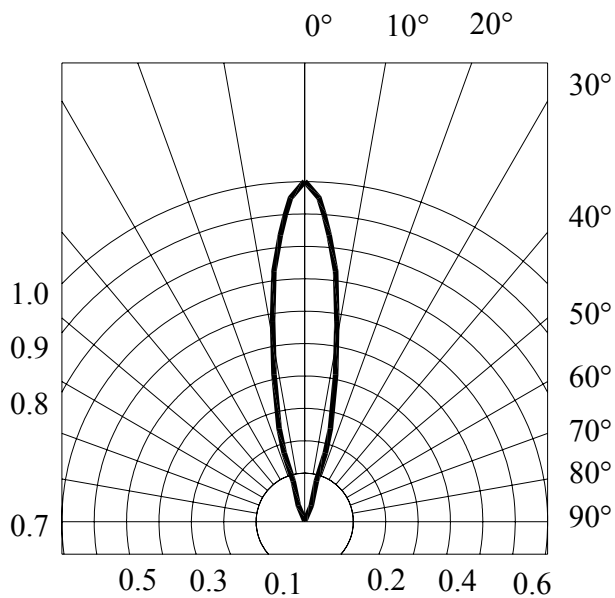
- High Luminance
- High Operating Temperature
- Industry Standard 7.62 mm Square Package



Notes:

1. All dimensions are in mm.
2. Tolerance is ± 0.25 mm unless otherwise noted.

Radiation Diagrams



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 0.1ms, 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 $T_a = 25^\circ\text{C}$

LED Chip			Lens Colours	Dominant Wavelength (nm) at 20 mA	Luminous Intensity (mcd) at 20 mA		Forward Voltage (V) at 20 mA		Viewing Angle $2\theta^{1/2}$ (°)	Part Number
Material	Emitted Colours	Brightness			Minimum	Typical	Typical	Maximum		
A1GaInP / Si	Hyper Red	Mega	Water Clear	625	4,800	8,000	2.1	2.6	20	703-0024

- Notes: 1. Tolerance of Luminous Intensity is $\pm 15\%$
2. Tolerance of Forward Voltage is $\pm 0.1\text{V}$
3. Tolerance of Dominant Wavelength is $\pm 1\text{nm}$

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