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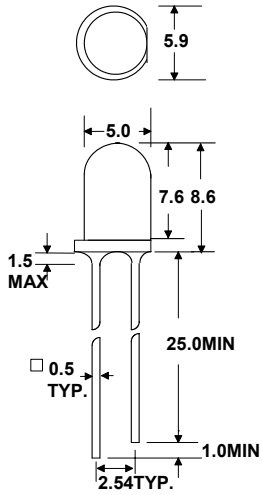
LIGITEK

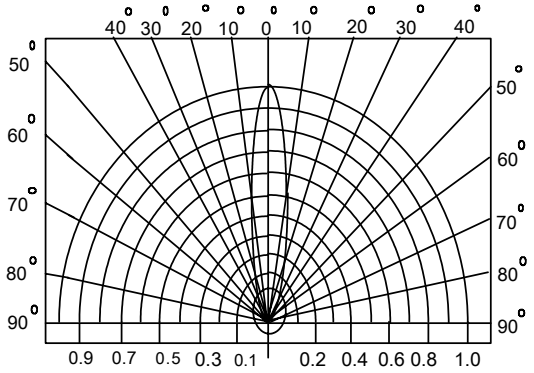
5.0mm HIGH INTENSITY LED LAMPS — LVX3333/A series

Package Dimensions



Note:1. All dimension are in millimeters tolerance is ±0.25mm
2. Protruded resin under flange is 1.5mm max

Typical Radiation



• Part Selection and Electro-optical Characteristics (Ratings @ 25^{0}C)

PART NO	MATERIAL	COLOUR		peak wave length	spectral halfwidth	forward voltage @20mA(v)		luminous intensity @20mA(mcd)		viewing angle 2θ 1/2 (deg)
		Emitted	*Lens*	λPnm	Δλ nm	*Min*	*Max*	*Min*	*Max*	
LHRF3333/A	AlGaInP	Red	Water Clear	630	20	1.5	2.4	800	3,000	20
LHR3333/A	GaAlAs	Red	Water Clear	660	20	1.5	2.4	550	2,700	20
LUR3333/A	GaAlAs	Red	Water Clear	660	20	1.5	2.4	1,200	6,200	20
LVG3333/A	GaP	Green	Water Clear	565	30	1.7	2.8	300	1,100	20
LUG3333/A	AlGaInP	Green	Water Clear	574	20	1.7	2.8	600	2,200	20
LHY3333/A	AlGaInP	Yellow	Water Clear	595	15	1.7	2.8	600	5,000	20
LUY3333/A	AlGaInP	Yellow	Water Clear	595	15	1.7	2.8	1,100	7,700	20
LSEF3333/A	AlGaInP	Orange	Water Clear	605	17	1.7	2.8	550	5,000	20
LHE3333/A	AlGaInP	Orange	Water Clear	620	17	1.7	2.8	550	5,000	20
LUE3333/A	AlGaInP	Orange	Water Clear	620	17	1.7	2.8	1,200	7,700	20

• Absolute maximum ratings (Ta=25^{0}c)

PARAMETER	RED			GREEN		YELLOW			ORANGE		UNIT	REMARK
	SR	*HR(F)*	*UR*	*VG*	*UG*	*SEF*	*HY*	*UY*	*HE*	*UE*		
Forward current	40	40	40	30	30	30	30	50	30	50	mA	
Peak current duty 1/10 @1khz	150	150	150	150	150	80	150	150	150	150	mA	
Power dissipation	80			100		150			100		mW	
Reverse current @5v	10			10		10			10		uA	
Operating Temp	-40^{0}C TO +85^{0}C											
Storage Temp	-40^{0}C TO +100^{0}C											

Lead soldering temperature 260^{0}C for 5 seconds (2.0mm from body)

Suffix/A Denotes parts selected and ranked for luminous intensity. Colour ranking is also available.
Specifications may be subject to change without notice

LVX3333/A 08/02