

5.0mm HIGH INTENSITY LED LAMPS

LVX3333/HO Series

Package dimensions

note:1. all dimension are in millimeter tolerance is $\pm 0.25\text{mm}$
2. protruded resin under flange is 1.5mm max

Typical radiation

Part selection and electro-optical characteristics (ratings @ Ta=25⁰c)

PART NO	MATERIAL	COLOUR		peak wave length λ_{Pnm}	spectral halfwidth $\Delta\lambda \text{ nm}$	forward voltage @20mA(v)		luminous intensity @20mA(mcd)		viewing angle 2θ 1/2 (deg)
		Emitted	Lens			Min	Max	Min	Max	
LHRF3333/HO	AlGaInP	Red	Water Clear	630	20	1.5	2.4	450	2,000	38
LHR3333/HO	GaAlAs	Red	Water Clear	660	20	1.5	2.4	450	1,500	38
LUR3333/HO	GaAlAs	Red	Water Clear	660	20	1.5	2.4	900	3,400	38
LURF3333/HO	AlGaInP	Red	Water Clear	630	20	1.5	2.4	900	5,000	38
LVG3333/HO	GaP	Green	Water Clear	565	30	1.7	2.8	220	900	38
LUG3333/HO	AlGaInP	Green	Water Clear	574	20	1.7	2.8	500	1,800	38
LHY3333/HO	AlGaInP	Yellow	Water Clear	595	15	1.7	2.8	450	4,000	38
LUY3333/HO	AlGaInP	Yellow	Water Clear	595	15	1.7	2.8	900	5,000	38
LUYS3333/HO	AlGaInP	Yellow	Water Clear	589	15	1.7	2.8	900	5,000	38
LHE3333/HO	AlGaInP	Orange	Water Clear	620	17	1.7	2.8	450	4,000	38
LUE3333/HO	AlGaInP	Orange	Water Clear	620	17	1.7	2.8	900	5,000	38

Absolute maximum ratings (Ta=25⁰c)

PARAMETER	RED			GREEN		YELLOW			ORANGE		UNIT	REMARK
	HRF	HR	UR	VG	UG	VY	HY	UY	HE	UE		
forward current	40	40	40	30	30	20	30	50	30	50	mA	
peak current duty 1/10 @1khz	200	150	150	160	160	80	150	160	150	150	mA	
power dissipation	80			100		100			100		mW	
reverse current @5v	10			10		10			10		uA	
operating temperature	-40 ⁰ C TO +85 ⁰ C											
storage temperature	-40 ⁰ C TO +100 ⁰ C											

lead soldering temperature 260⁰C for 5 seconds (2.0mm from body)
Specifications may be subject to change without notice

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08/02