

ULTRA BRIGHT ROUND TYPE LED LAMPS		LVX3833/A		SERIES								
Package Dimensions				Typical Radiation								
note:1. All dimension are in millimeters tolerance is $\pm 0.25\text{mm}$ 2. Protruded resin under flange is 1.5mm max												
<b>• Part selection and electro-optical characteristics (ratings @ Ta=25°C)</b>												
PART NO	MATERIAL	COLOUR		Dom wave length $\lambda_{\text{Dnm}}$	spectral halfwidth $\Delta\lambda$ nm	forward voltage @20mA(v)		luminous intensity @20mA(mcd)		viewing angle $2\theta$ 1/2 (deg)		
		Emitted	Lens			Min	Max	Min	Max			
LHR3833/A	GaAlAs	Red	Water Clear	660	20	1.5	2.4	700	3,400	12		
LUR3833/A	GaAlAs	Red	Water Clear	660	20	1.5	2.4	1,500	7,700	12		
LURF3833/A	AlGaInP	Red	Water Clear	630	20	1.7	2.8	1,700	7,700	12		
LUG3833/A	AlGaInP	Green	Water Clear	574	20	1.7	2.8	900	2,500	12		
LHY3833/A	AlGaInP	Yellow	Water Clear	595	15	1.7	2.8	1,500	6,200	12		
LUY3833/A	AlGaInP	Yellow	Water Clear	595	15	1.7	2.8	2,700	9,500	12		
LUYS3833/A	AlGaInP	Orange	Water Clear	589	15	1.7	2.8	2,700	9,500	12		
LSEF3833/A	AlGaInP	Orange	Water Clear	605	17	1.7	2.8	900	2,500	12		
LHE3833/A	AlGaInP	Orange	Water Clear	620	17	1.7	2.8	700	3,400	12		
LUE3833/A	AlGaInP	Orange	Water Clear	620	17	1.7	2.8	2,700	9,500	12		
<b>• Absolute maximum ratings (Ta=25°C)</b>												
PARAMETER	RED			GREEN		YELLOW			ORANGE		UNIT	REMARK
	URF	HR	UR	VG	UG	HY	UY	UYS	HE	UE		
Forward current	40	40	40	30	30	30	50	30	30	50	mA	
Peak current duty 1/10 @1khz	150	150	150	150	150	150	150	150	150	150	mA	
Power dissipation	80			100		100			100		mW	
Reverse Current @5V	100			100		100			100		$\mu\text{A}$	
Operating Temp	-40°C TO +85°C											
Storage Temp	-40°C TO +100°C											
Lead soldering temperature 260°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												
										LVX3833	08/02	