



Notes:

1. Dimensions in mm
2. Compatible to IR reflow soldering.
3. Pb free, ROHS Compliant
4. Class1M LED products. Do not view directly with optical instrument.

Optical Characteristics at $T_a=25^\circ\text{C}$, $I_f = 400\text{mA}$.

Colour	Wavelength Distribution (nm)	λ dom (nm)	Total Flux @ $I_f=400\text{mA}$		IV @ $I_f=400\text{mA}$	Viewing Angle
			Min.	Typ. (lm)	Typ. (mcd)	
Red	620 – 630	625	30	32	8500	120

Luminous intensity is measured with an accuracy of $\pm 11\%$

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

Min. (V)	Vf @ $I_f=350\text{mA}$		Max. (V)	Vr @ $I_r=10\mu\text{A}$
	Typ. (V)			Min. (V)
2.2	2.5		2.8	12

Forward voltage, Vf is measured with an accuracy of $\pm 0.1\text{V}$

Absolute Maximum Ratings

	Maximum Value	Unit
DC forward current.	400	mA
Peak pulse current. ($t_p < 10\mu\text{sec}$, $D = 0.1$)	500	mA
Reverse voltage.	12	V
ESD Threshold (HBM)	2	kV
LED junction temperature.	125	$^\circ\text{C}$
Operating temperature.	-40 ... +100	$^\circ\text{C}$
Storage temperature.	-40 ... +100	$^\circ\text{C}$
Power dissipation	1200	mW

Radiation Pattern

