



Features

- Wide view angle

Applications

- Automotive: backlighting in dashboard and switch.
- Telecommunication: indicator and back-lighting in telephone and fax.
- Flat backlight for LCD switch and symbol.

**RoHS
Compliant**

Specifications

Dimensions : 3.5mm × 2.8mm × 1.9mm.
Emitted colour : Red / Green
Dice : (InGaAlP)
Lens colour : Water Clear

Absolute Maximum Ratings: (T _A = 25°C)				
Parameter	Symbol	Red	Green	Unit
Power Dissipation	P _D	62		mW
Forward current	I _F	25		mA
Peak Forward Current*1	I _{FP}	100		
Reverse voltage	V _R	5		V
Operating Temperature	T _{opr}	-40°C to +85 °C		
Storage Temperature	T _{STG}			

Notes: *1: Pulse width≤0.1ms, Duty cycles≤1/10

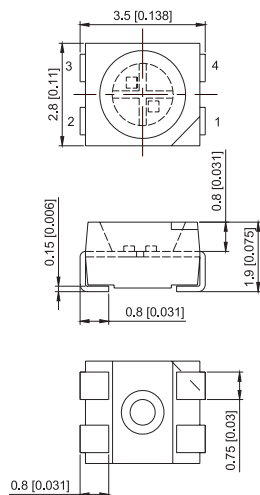
Optical / Electrical Characteristics at T _A = 25°C							
Parameter	Symbol	Device	Min.	Typ.	Max.	Unit	Test Conditions
Forward Voltage	V _F	RED GREEN	1.8 1.8	-	2.6 2.6	V	I _F =20mA
Reverse Current	I _R	RED GREEN	-	-	10	μA	V _R =5V
Dominant Wavelength	λ _D	RED GREEN	625 568	-	637 576	nm	I _F =20mA
Luminous Intensity	I _V	RED GREEN	80 80	-	170 170	mcd	I _F =20mA
Viewing Angle	2θ1/2	RED GREEN	-	120	-	Deg.	I _F =20mA

Remarks:

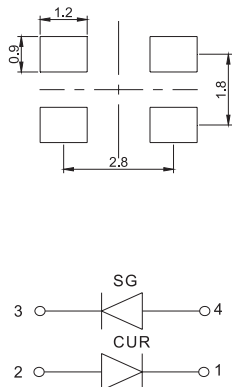
If special sorting is required (e.g. binning based on forward voltage, luminous intensity or wavelength), the typical accuracy of the sorting process is as follows:

- Wavelength: ±1nm
- Luminous Intensity: ±15%
- Forward Voltage: ±0.1V

Package Dimensions



Recommended soldering pattern

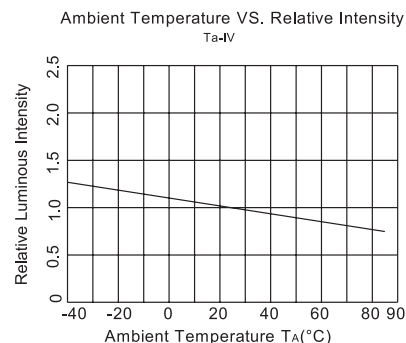
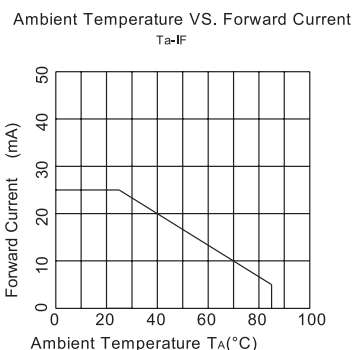
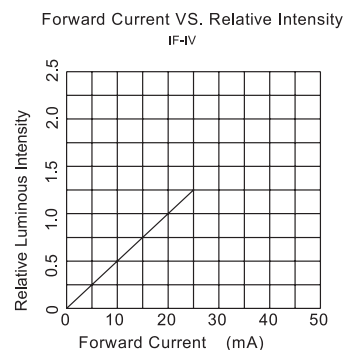
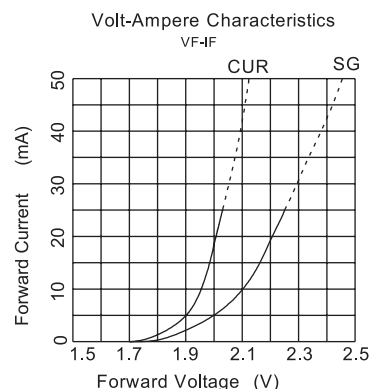
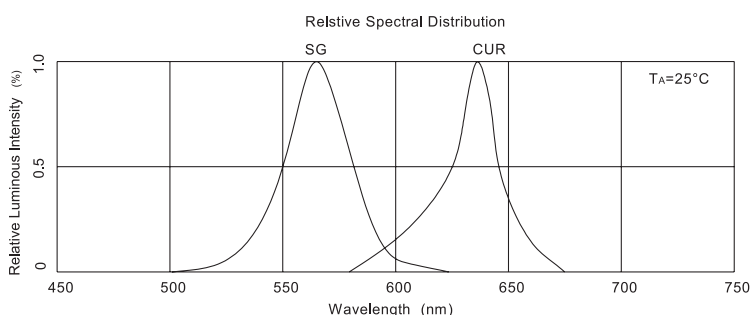


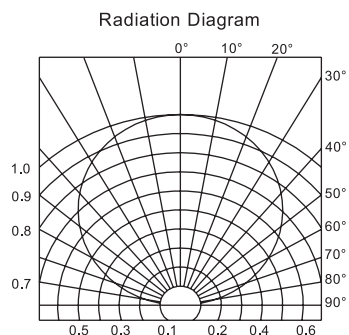
Dimensions : Millimetres (Inches)

Notes:

Tolerance is ± 0.25 mm unless otherwise noted

Typical Electrical/Optical Characteristics Curves





Part Number Table

Description	Part Number
Multi Colour Led, Red and Green, SMD 3528	MP017044

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