

RoHS
Compliant



Features

- Narrow viewing angle.

Applications

- Telecommunication: indicator and backlighting in telephone and fax
- Flat backlight for LCD switch and symbol

Specifications

Dimensions	: 1.6mm × 0.8mm × 0.95mm.
Emitted colour	: Blue
Dice	: (InGaN)
Lens colour	: Water clear

Absolute Maximum Ratings: (T_A = 25°C)

Parameter	Symbol	Value	Unit
Power Dissipation	P _D	100	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

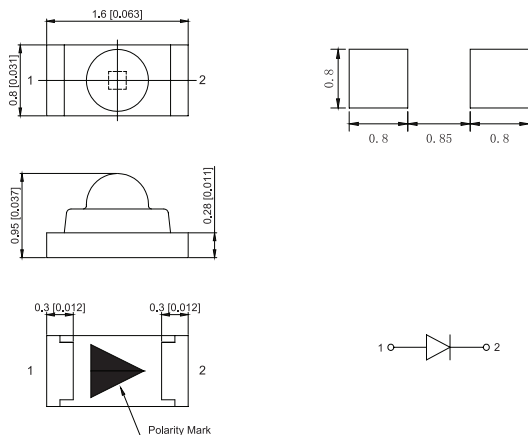
Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Forward Voltage (one circuit)	V _F	I _F =2mA	2.4	-	3.2	V
Reverse Current (one circuit)	I _R	V _R =5V	-	-	10	uA
Dominate Wavelength	λ _D	I _F =2mA	464	-	476	nm
Luminous Intensity	I _V		170	-	500	mcd
Viewing Angle	2θ _{1/2}		-	30	-	Deg.

Remarks:

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

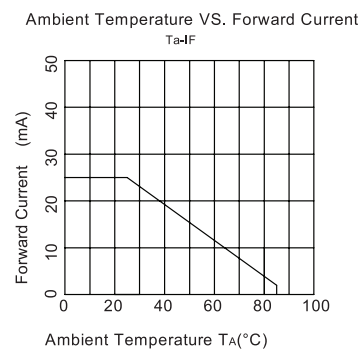
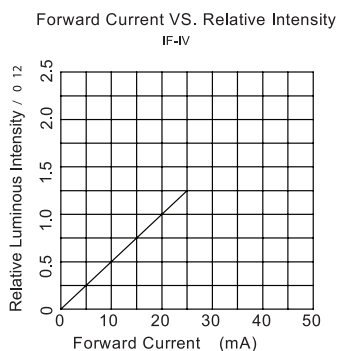
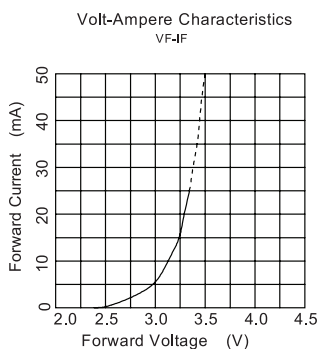
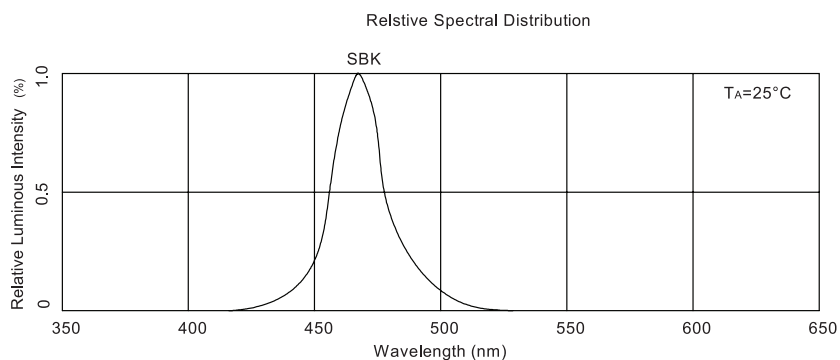
- Dominate Wavelength: ±1nm
- Luminous Intensity: (plus/minus 15)%
- Forward Voltage: plus/minus 0.1 * V

Package Outlines

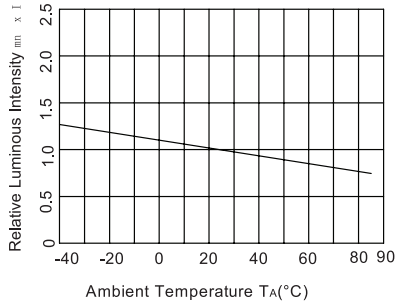


Dimensions : Millimetres (Inches)

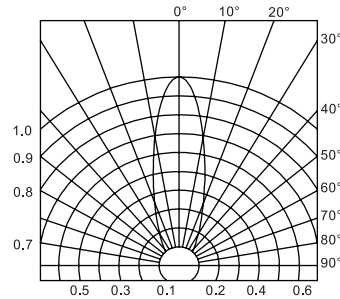
Typical Electrical/Optical Characteristics Curves



Ambient Temperature VS. Relative Intensity
T_a-I_v



Radiation Diagram



Part Number Table

Description	Part Number
Single Colour LED, 0603, 30D, Blue	MP017030

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