

3.0mm Round LED Lamp multicomp^{PRO}

RoHS
Compliant

Specifications

Dice material	: GaAsP/GaP
Emmiting colour	: Yellow
Lens colour	: Yellow Diffused
Peak wavelength	: 585nm
Viewing angle	: 65°
Luminous intensity (IV)	: 13mcd

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	PD	75	mW
Reverse Voltage	VR	5	V
D.C. Forward Current	If	30	mA
Reverse (Leakage) Current	Ir	100	µA
Peak Current (1/10Duty Cycle,0.1ms Pulse Width.)	If (Peak)	100	mA
Operating Temperature Range	Topr.	-25 to +85	°C
Storage Temperature Range	Tstg.	-40 to +100	°C
Soldering Temperature (1.6mm from body)	Tsol	Dip Soldering : 260°C for 5 sec. Hand Soldering : 350°C for 3 sec.	

Electrical and Optical Characteristics

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=10mA	5.16	13		mcd
Forward Voltage	Vf	If=10mA		2	2.5	V
Peak Wavelength	λp	If=10mA		585		nm
Dominant Wavelength	λd	If=10mA		590		nm
Reverse (Leakage) Current	Ir	Vr=5V			100	µA
Viewing Angle	2θ1/2	If=10mA		65		deg
Spectrum Line Halfwidth	Δλ	If=10mA		35		nm

Notes

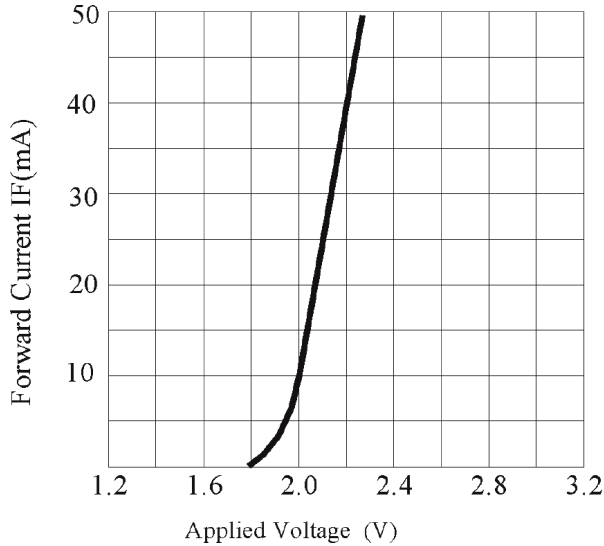
1. The specifications, characteristics and technical data described in the datasheet are subject to change without notice.

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
Element14.com/multicomp-pro

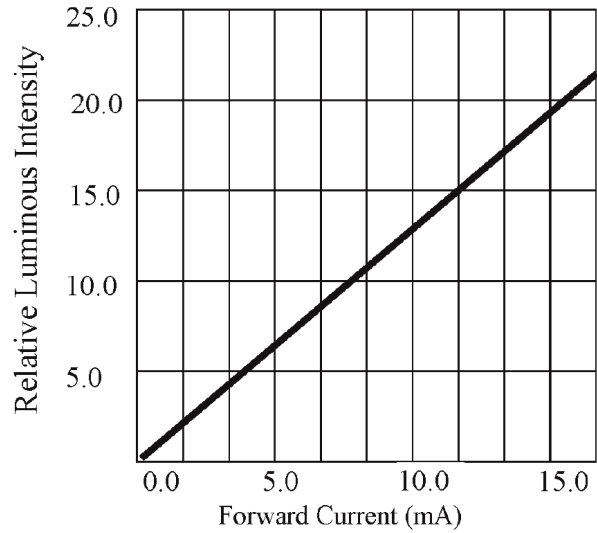
multicomp^{PRO}

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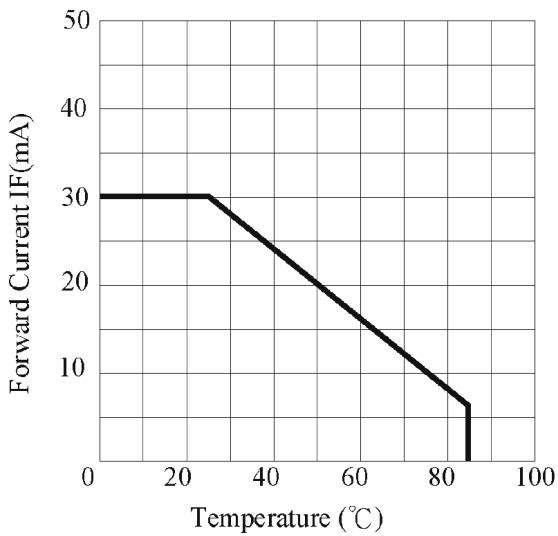
Typical Electrical/ Optical Characteristics Curves



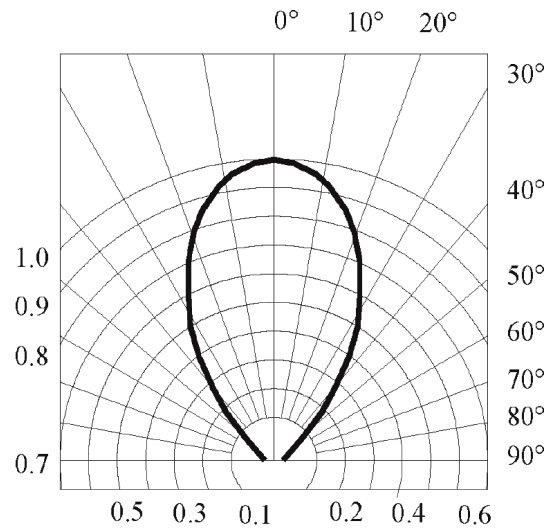
FORWARD CURRENT VS. APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM

