

3.00mm Round LED Lamp multicomp^{PRO}

RoHS
Compliant

Specifications

Dice material : GaP/GaP
Emmiting Colour : Green
Lens colour : Green Diffused
Peak wavelength : 567nm
Viewing angle : 55°
Luminous intensity (IV) : 18mcd

Absolute Maximum Ratings at Ta=25°C

Parameter	Symbol	Rating	Unit
Power Dissipation	PD	78	mW
D.C. Forward Current	If	30	mA
Reverse Voltage	Vr	5	V
Reverse (Leakage) Current	Ir	100	µA
Operating Temperature	Top	-25 to +85	°C
Storage Temperature	Tstg.	-40 to +100	°C
Peak Current (1/10Duty Cycle, 0.1ms Pulse Width.)	If (peak)	100	mA
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

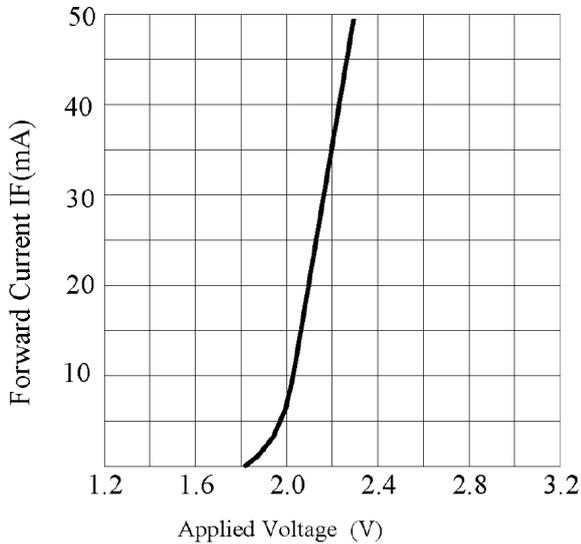
Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Luminous Intensity	Iv	If=20mA	11	18		mcd
Forward Voltage	Vf	If=20mA		2.1	2.6	V
Peak Wavelength	λp	If=20mA		567		nm
Dominant Wavelength	λd	If=20mA		572		nm
Reverse (Leakage) Current	Ir	Vr=5V			100	µA
Viewing Angle	2θ1/2	If=20mA		55		deg
Spectrum Line Halfwidth	Δλ	If=20mA		30		nm

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

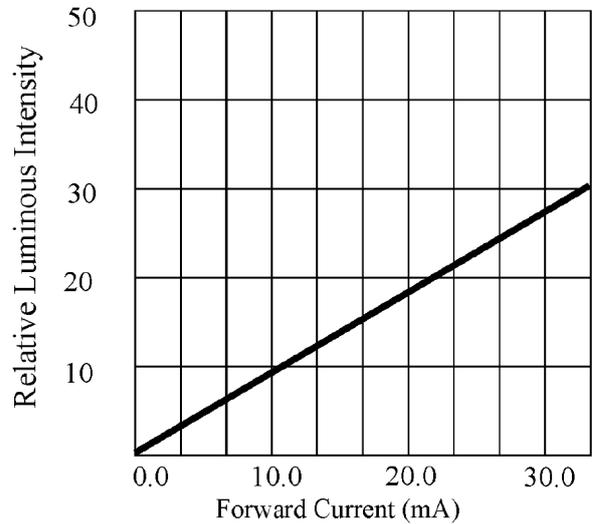
multicomp^{PRO}

3.00mm Round LED Lamp **multicomp**PRO

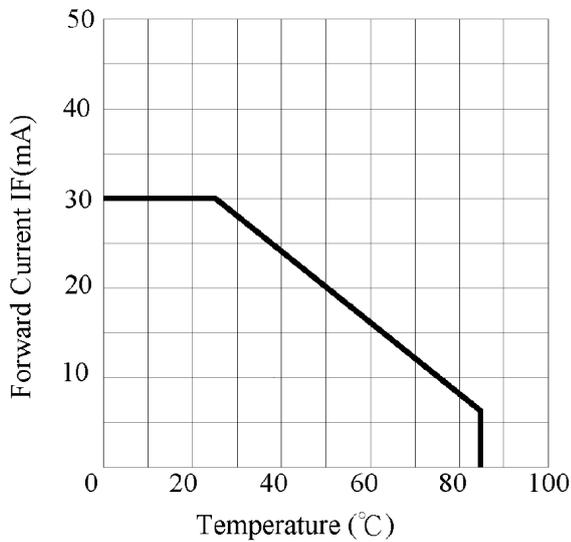
Typical Electrical/ Optical Characteristics Curves



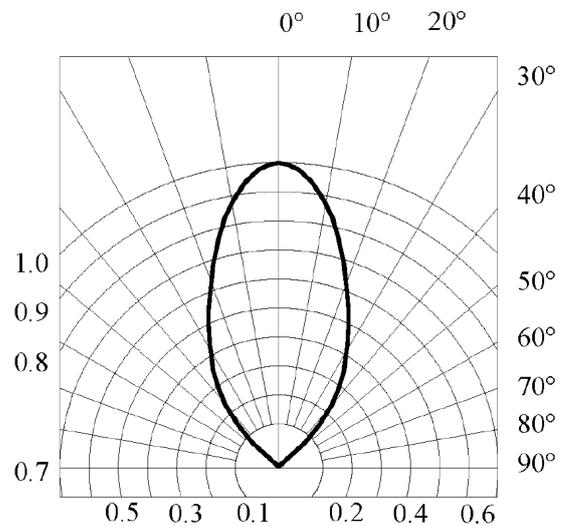
FORWARD CURRENT VS. APPLIED VOLTAGE



FORWARD CURRENT VS. LUMINOUS INTENSITY



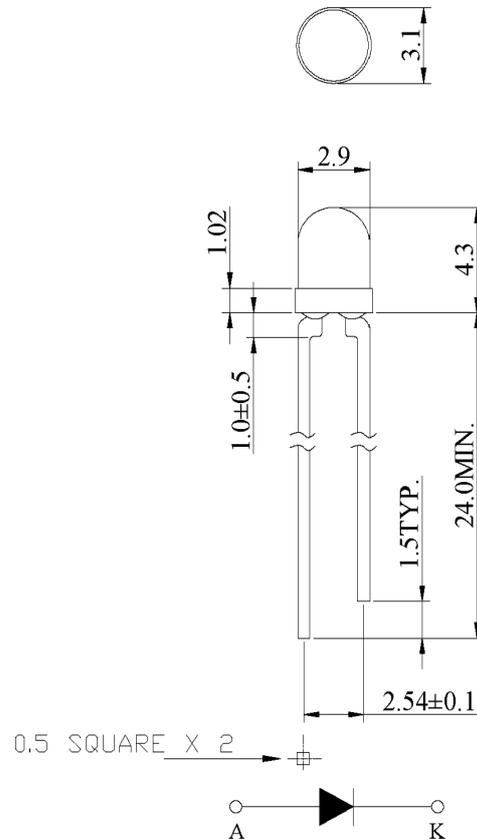
FORWARD CURRENT VS. AMBIENT TEMPERATURE



RADIATION DIAGRAM

3.00mm Round LED Lamp multicomp^{PRO}

Dimensions



Tolerance is ± 0.25 mm unless otherwise noted.

Dimensions : Millimetres

Part Number Table

Description	Part Number
Round LED, Green, 567nm, 55°, 18mcd, Through hole	MP008270

Important Notice : This data sheet and its contents (the "Information") belong to the members of the AVNET group of companies (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change without notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict the Group's liability for death or personal injury resulting from its negligence. Multicomp Pro is the registered trademark of Premier Farnell Limited 2019.

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

multicomp^{PRO}