

# 3mm Round LED Lamp

multicomp<sup>PRO</sup>



## Specifications:

Dice Material	: GaAsP on GaP
Emitted Colour	: Orange Red
Lens Colour	: Red Diffused
Peak Wavelength	: 635nm
Viewing Angle	: 70 Deg.
Luminous Intensity (IV)	: 38mcd

RoHS  
Compliant

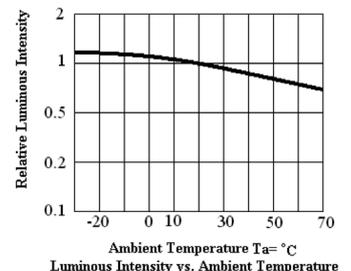
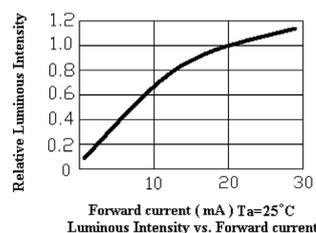
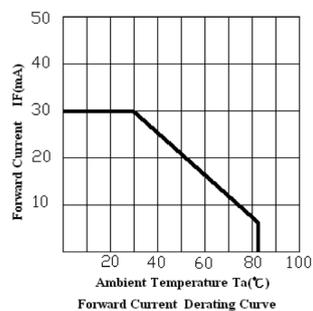
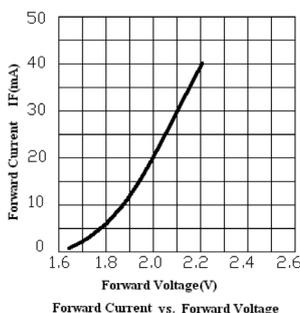
## Absolute Maximum Ratings (T<sub>a</sub> = 25°C)

Reverse Voltage	5V
Reverse Current	10µA (V <sub>R</sub> = 5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

## Electrical/Optical Characteristics at T<sub>a</sub> = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	25	38	55	mcd	IF = 20mA
Viewing Angle	2θ 1/2		70		Degrees	
Peak Emission Wavelength	λP		635		nm	
Dominant Wavelength	λD	620	625	630		
Spectral Line Half-Width	Δλ		45			
Forward Voltage	V <sub>F</sub>	1.8	2	2.6	V	
Power Dissipation	P <sub>d</sub>			85	mW	
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20		mA	

## Typical Electro-Optical Characteristics Curves

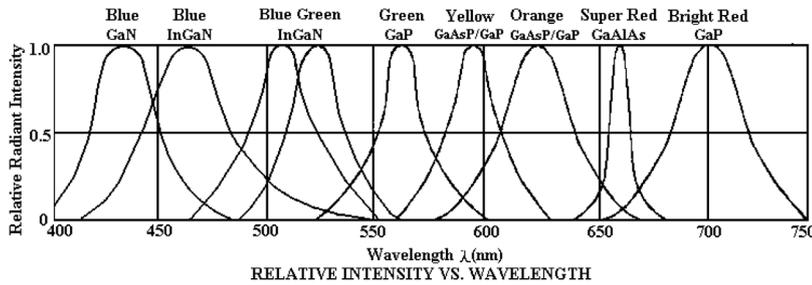


Newark.com/multicomp-pro  
Farnell.com/multicomp-pro  
Element14.com/multicomp-pro

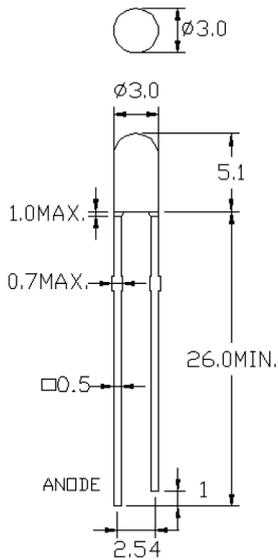
multicomp<sup>PRO</sup>

# 3mm Round LED Lamp

**multicomp** PRO



## Diagram



Dimensions : Millimetres

## Part Number Table

Description	Part Number
3mm Round LED Lamp, Orange Red, 70°, TH	MCL514MD

**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