LED, 2.9mm



Electrical/Optical characteristics at T_A = 25°C

Parameter	Symbol	Min.	Туре	Max.	Unit	Test
Luminous Intensity	IV	20	28	40	mcd	IF = 20mA
Viewing Angle	201⁄2		70		Deg.	IF = 20mA
Peak Emission Wavelength	λр		568		nm	
Dominant Wavelength	λD		570		nm	
Spectral Line Half-Width	Δλ		30		nm	
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation	Pd			85	mW	
Peak Forward Current (Duty1/10 @ 1kHz)	IF (Peak)			100	mA	
Recommended Operating Current	IF (Rec)		20		mA	

Absolute Maximum Ratings : (T_A = 25°C)

Reverse Voltage	: 5 Volt		
Reverse Current	: 10µA (V _R = 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		

Reliability test For LED Lamps

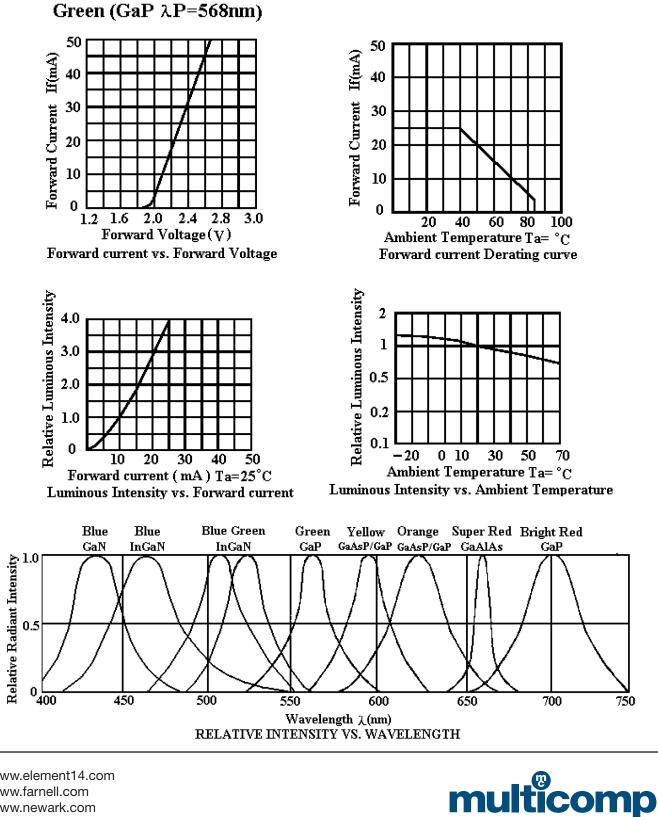
ltem	Test Conditions	Test Time/Cycle	Sample Size	Ac/Re
DC Operating Life	Temperature : 25°C IF : 20mA			
High Temperature High Humidity	Temperature : 85°C 85%RH	1,000 Hrs.		
High Temperature Storage	Temperature : 100°C			
Low Temperature Storage	Temperature : -40°C		76 Pcs.	0/1
Temperature Cycling	85°C~ 25°C~-35°C 15min~ 5min~ 15min	15 Outloo		
Thermal Shock	85°C~ 25°C~-10°C 5min~ 10sec ~ 5min	15 Cycles		
Solder Heat	Temperature : 260°C ±5°C	10 Sec.		

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Typical Electro-Optical Characteristics Curves

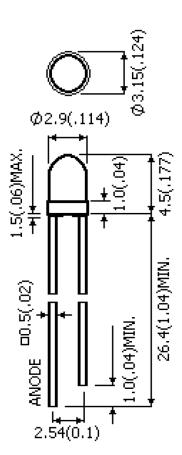


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LED, 2.9mm



Dimensions:



Dimensions : Inches (Millimetres) All tolerance shall be ±0.01 inch (0.25mm)

Part Number Table

Description	Part Number	
LED, 2.9mm, Green, 28mcd, 568nm	MCL394GD	

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