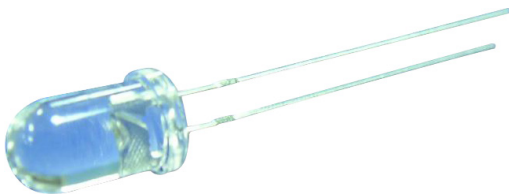


Round LED

Ultra Blue/Green, 5mm

multicomp PRO

**RoHS
Compliant**



Specifications:

Dice material	: InGaN
Emitted colour	: Blue green
Lens colour	: Water clear
Dominant wavelength	: 505nm
Viewing angle	: 16°
Luminous intensity (IV)	: 16,000mcd

Absolute Maximum Ratings (T_A = 25°C)

Reverse Voltage	5V
Reverse Current	10µA (V _R = 5V)
Electrostatics Discharge (ESD)	200V
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_A = 25°C

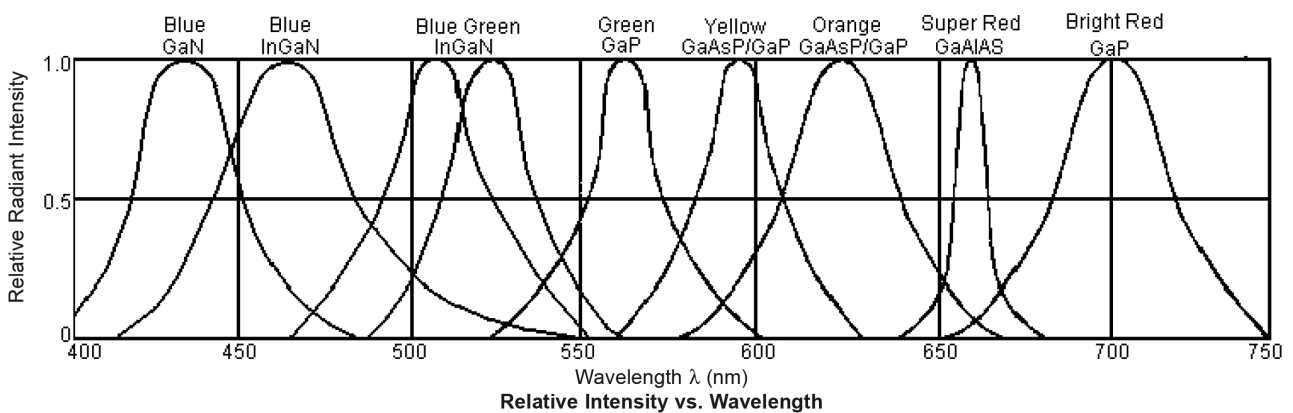
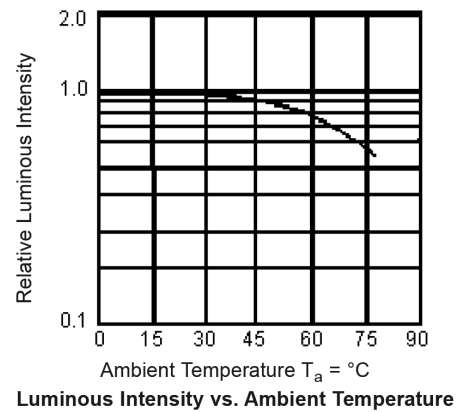
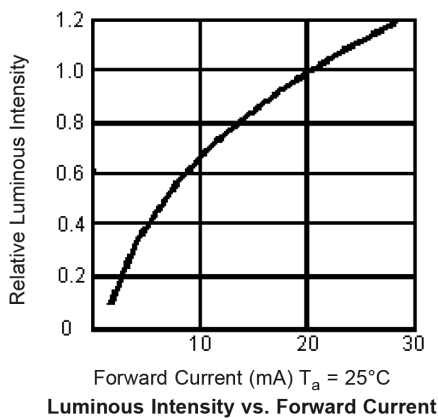
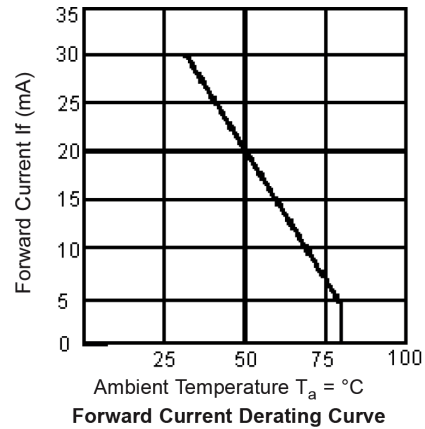
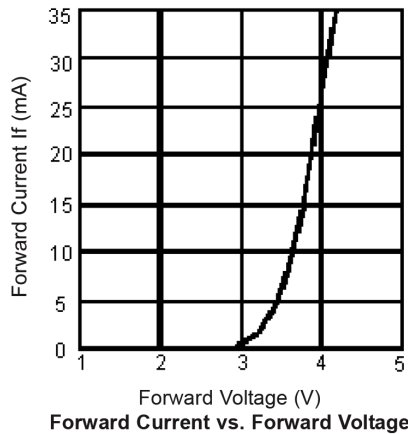
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	8,000	14500	21000	mcd	IF = 20mA
Viewing Angle	2θ 1/2	-	16	-	degrees	
Peak Emission Wavelength	X	-	505	-	nm	-
Dominant Wavelength	Y	-	510	-		-
Spectral Line Half-Width	Δλ	-	40	-		-
Forward Voltage	VF	2.7	3.4	4.0	V	IF = 20mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

Round LED

Ultra Blue/Green, 5mm

multicomp PRO

Blue Green (InGaN $\lambda_P = 505\text{nm}$)



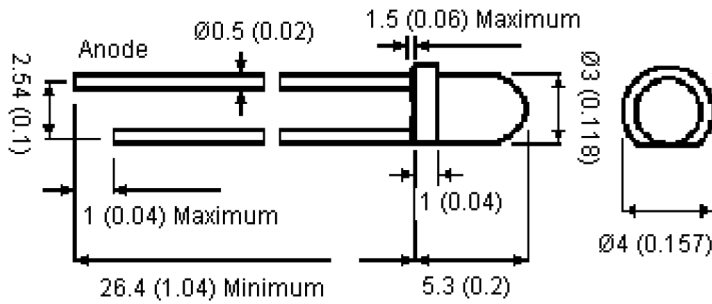
Newark.com/multicomp-pro
 Farnell.com/multicomp-pro
 Element14.com/multicomp-pro

multicomp PRO

Round LED

Ultra Blue/Green, 5mm

Diagram



Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
LED, 5mm, 16°, Ultra-Blue/Green	MCL053BGC

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