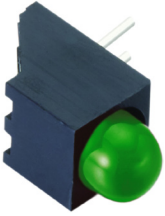


4.7mm Round With Housing

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Specifications

Dice Material	: GaP
Peak Wave Length	: 568 nm
Emitted Colour	: Green
Viewing Angle	: 45°
Lens Colour	: Green Diffused
IV(mcd)	: 35

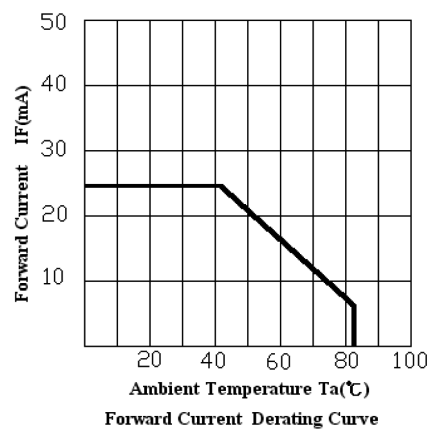
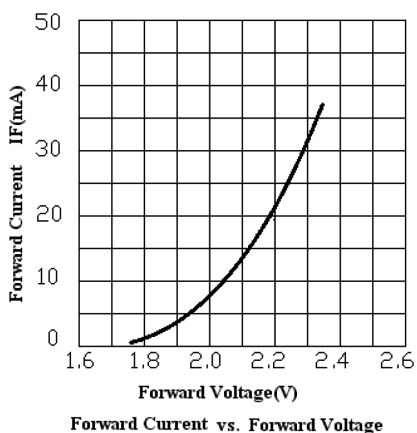
Electrical / Optical Characteristics at $T_A = 25^\circ\text{C}$

Parameter	Symbol	Min	Typ	Max	Unit	Test
Luminous Intensity	IV	20	35	50	mcd	IF = 20mA
Viewing Angle	$2\theta_{1/2}$	-	45	-	deg	
Peak Emission Wavelength	λ_p	-	568	-	nm	
Dominant Wavelength	λ_D	-	570	-	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	30	-	nm	
Forward Voltage	VF	1.8	2.2	2.6	V	
Power Dissipation	Pd	-	-	85	mW	
Peak Forward Current (Duty 1/10 @ 1kHz)	IF (Peak)	-	-	100	mA	
Recommended Operating Current	TF (Rec)	-	10	-	mA	

Absolute Maximum Rating $T_A = 25^\circ\text{C}$

Reverse Voltage	5 Volt
Reverse Current	10 μ A (VR=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

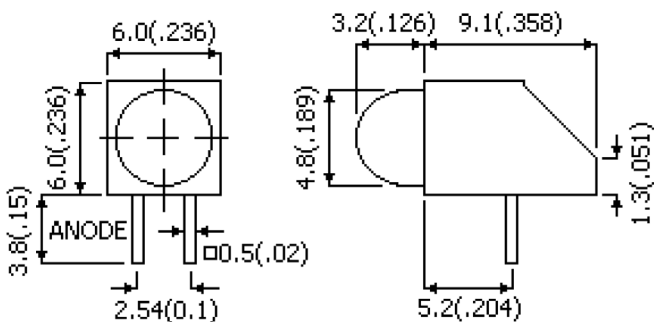
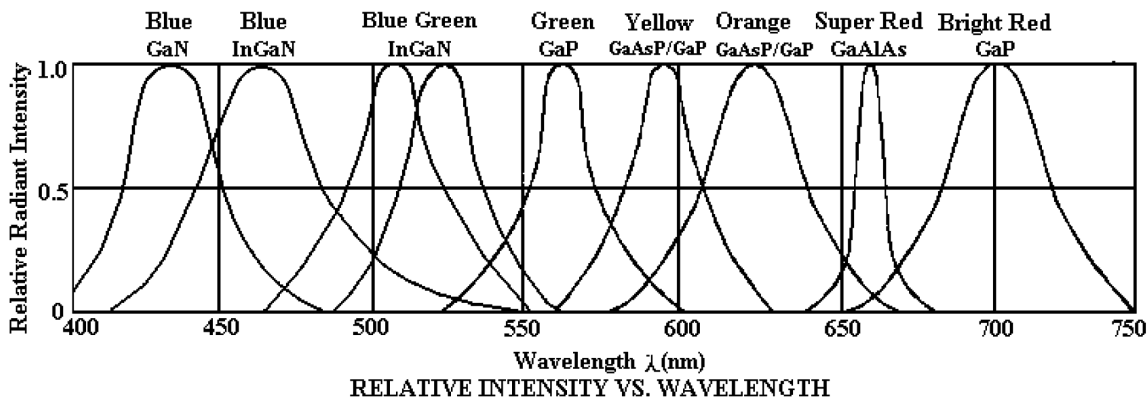
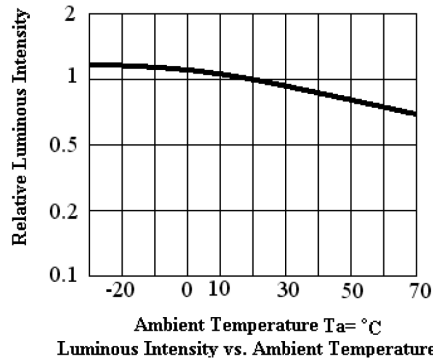
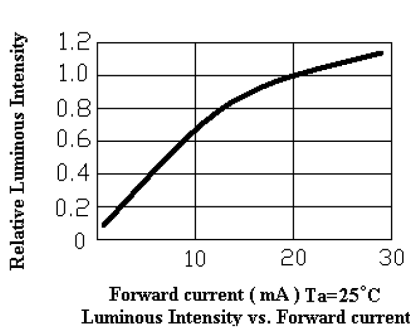
Typical Electro-Optical Characteristics Curves



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4.7mm Round With Housing



Dimensions : Millimetres
Tolerance : ±0.25mm

Part Number Table

Description	Part Number
4.7mm Round Type With Housing, Green Diffused	L383HGD

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