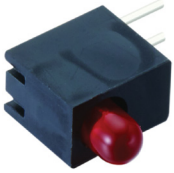


3mm Round Type Flangeless and Housing



Specifications

Dice Material	: GaP
Peak Wave Length	: 697 nm
Emitted Colour	: Hi-Red
Viewing Angle	: 50°
Lens Colour	: Red Diffused
IV(mcd)	: 3.2

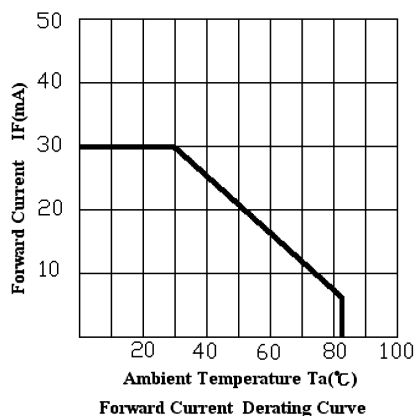
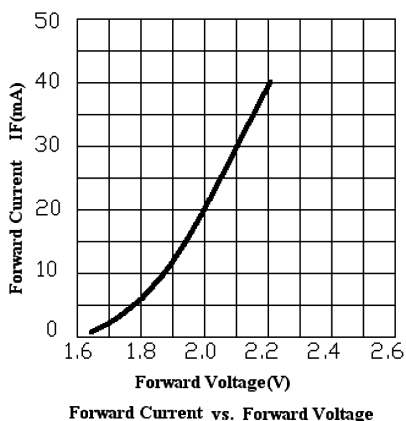
Electrical / Optical Characteristics at TA = 25°C

Parameter	Symbol	Min	Typ	Max	Unit	Test
Luminous Intensity	IV	2.0	3.2	5.0	mcd	IF = 20mA
Viewing Angle	2Θ1/2	-	50	-	deg	
Peak Emission Wavelength	λp	-	697	-	nm	
Dominant Wavelength	λD	-	650	-	nm	
Spectral Line Half-Width	Δλ	-	90	-	nm	
Forward Voltage	VF	2.0	2.3	2.6	V	
Power Dissipation	Pd	-	-	45	mW	
Peak Forward Current (Duty1/10 @ 1kHz)	IF (Peak)	-	-	50	mA	
Recommended Operating Current	TF (Rec)	-	20	-	mA	

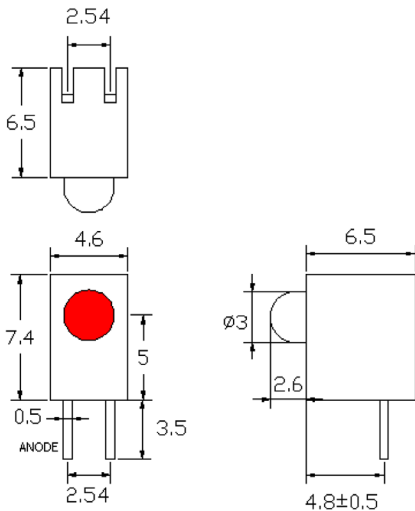
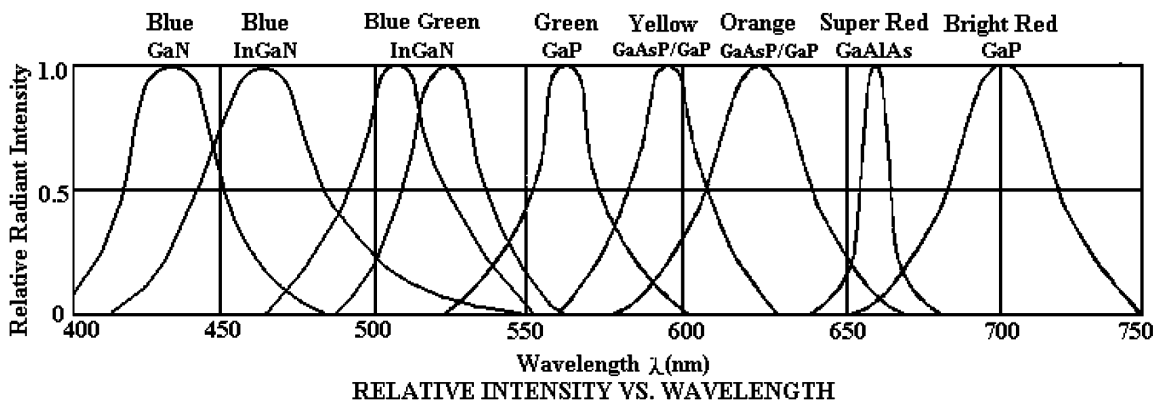
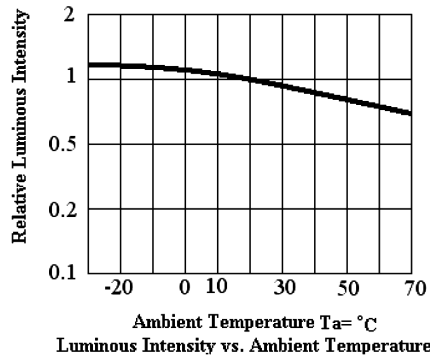
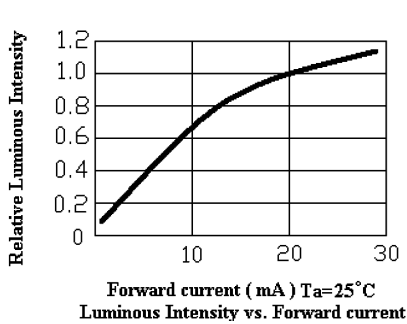
Absolute Maximum Rating TA = 25°C

Reverse Voltage	5 Volt
Reverse Current	10μA (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



3mm Round Type Flangeless and Housing



Dimensions : Millimetres
Tolerance : $\pm 0.25\text{mm}$

Part Number Table

Description	Part Number
3.0mm Round Type Flangeless and Housing, Red	L514HPD

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