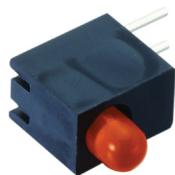


3mm Round Type Flangeless and Housing

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Specifications

Dice Material	: GaAsP on GaP
Peak Wave Length	: 635 nm
Emitted Colour	: Orange Red
Viewing Angle	: 50°
Lens Colour	: Orange Diffused
IV(mcd)	: 30

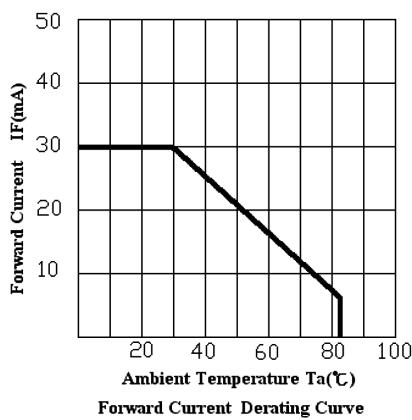
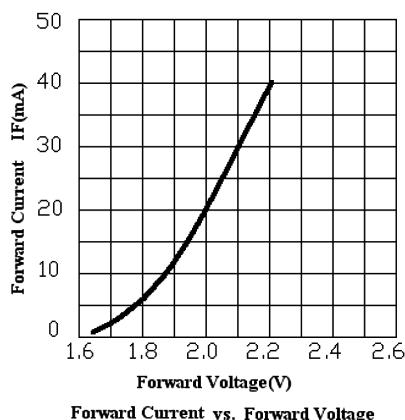
Electrical / Optical Characteristics at $T_A = 25^\circ\text{C}$

Parameter	Symbol	Min	Typ	Max	Unit	Test
Luminous Intensity	IV	20	30	40	mcd	IF = 20mA
Viewing Angle	$2\Theta/2$	-	76	-	deg	
Peak Emission Wavelength	λ_p	-	635	-	nm	
Dominant Wavelength	λ_D	-	625	-	nm	
Spectral Line Half-Width	$\Delta\lambda$	-	45	-	nm	
Forward Voltage	VF	1.8	2.0	2.6	V	
Power Dissipation	Pd	-	-	85	mW	
Peak Forward Current (Duty 1/10 @ 1kHz)	IF (Peak)	-	-	100	mA	
Recommended Operating Current	TF (Rec)	-	20	-	mA	

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

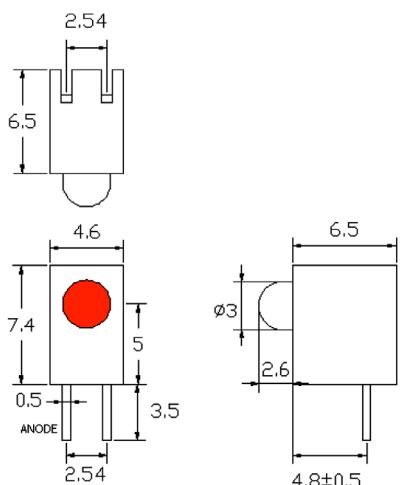
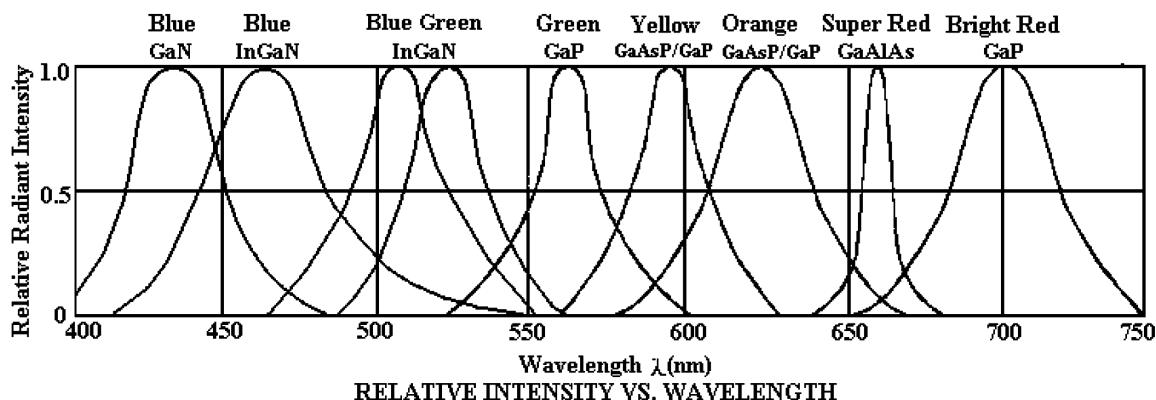
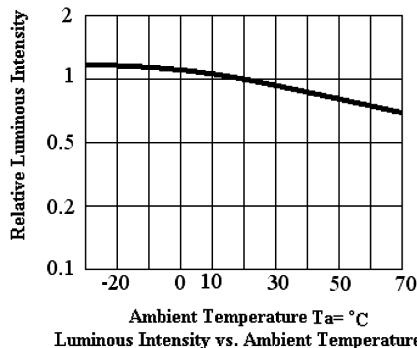
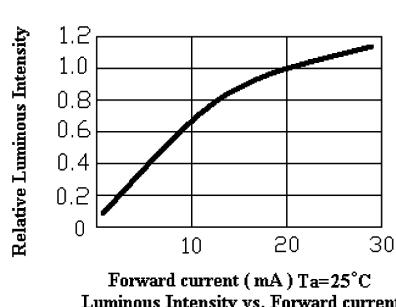
Reverse Voltage	5 Volt
Reverse Current	10µA (VR=5V)
Operating Temperature Range	-40°C to +85°C
Storage Temperature Range	-40°C to +100°C
Lead Soldering Temperature Range (1.6mm (1/16 inch) from body)	260°C For 5 Seconds

Typical Electro-Optical Characteristics Curves



3mm Round Type Flangeless and Housing

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

Part Number Table

Description	Part Number
3.0mm Round Type Flangeless and Housing, Orange Red	L514HAD

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