

LED

HE-Red, 5mm

multicomp **PRO**

RoHS
Compliant



Features:

- Built-in IC chip, flashes lamp on and off to attract attention
- Operating voltage range : 3V to 10V DC
- 1/4 duty cycle
- Blinking frequency : 2.4Hz ($V_{dd} = 5V$)
- Frequency tolerance : 20%

Specifications:

Dice Material	: GaAsP on GaP
Emitted Colour	: HE-Red
Lens Colour	: Red Diffused
Peak Wavelength	: 635nm
Viewing Angle	: 45°
Luminous Intensity (IV)	: 10mcd

Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

Parameter	Maximum	Unit
Continuous Forward Current	30	mA
Derating Linear From 50°C	0.4	mA/°C
Reverse Voltage	5	V
Operating Temperature Range	-40°C to +80°C	
Storage Temperature Range		
Lead Soldering Temperature [4mm (0.157 inch) from body]	260°C for 5 Seconds	

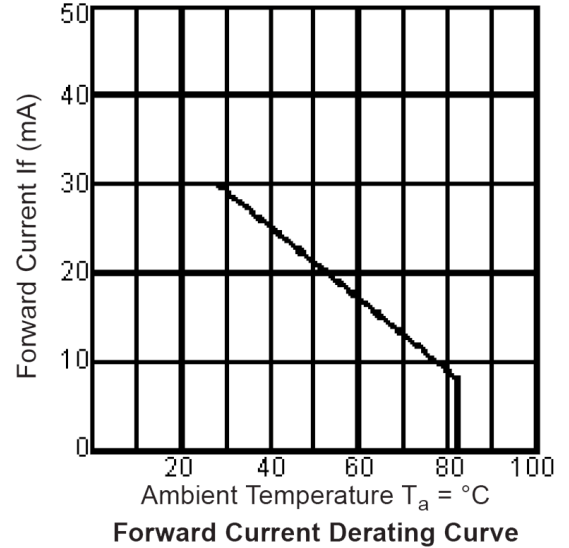
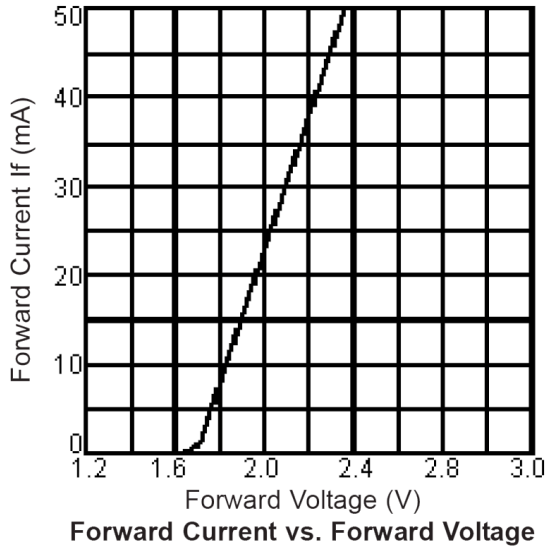
Electrical/Optical Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	-	10	-	mcd	$I_F = 20\text{mA}$
Peak Emission Wavelength	λ_P	-	635	-	nm	Measurement at Peak
Dominant Wavelength	λ_D	-	625	-		$I_F = 20\text{mA}$
Operating Voltage	V_{dd}	3	5	10	V	-
Blinking Frequency	F_{blk}	2	2.4	2.8	Hz	-
Reverse Current	I_R	-	-	100	μA	$V_R = 5V$

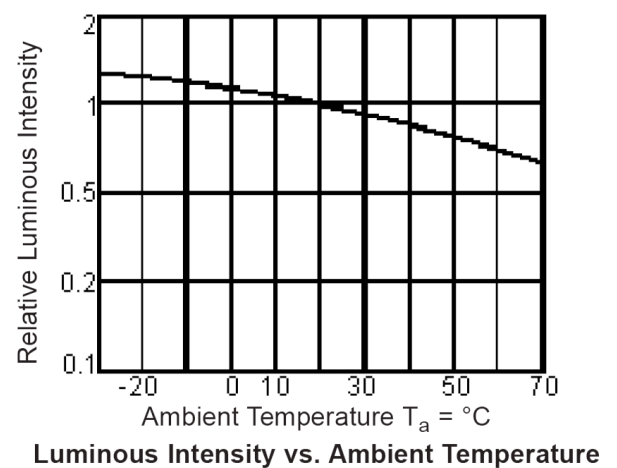
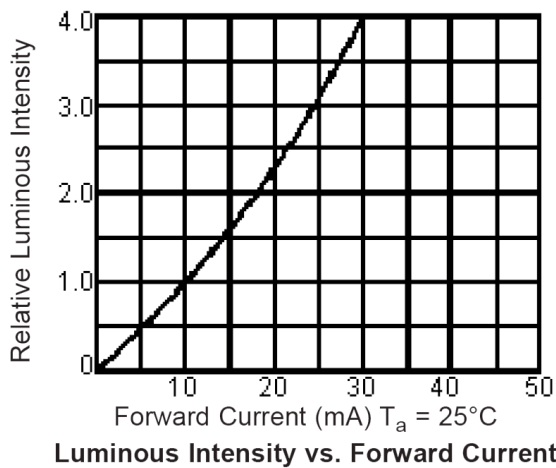
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Bright Red (GaAsP on GaP) $\lambda_P = 635\text{nm}$

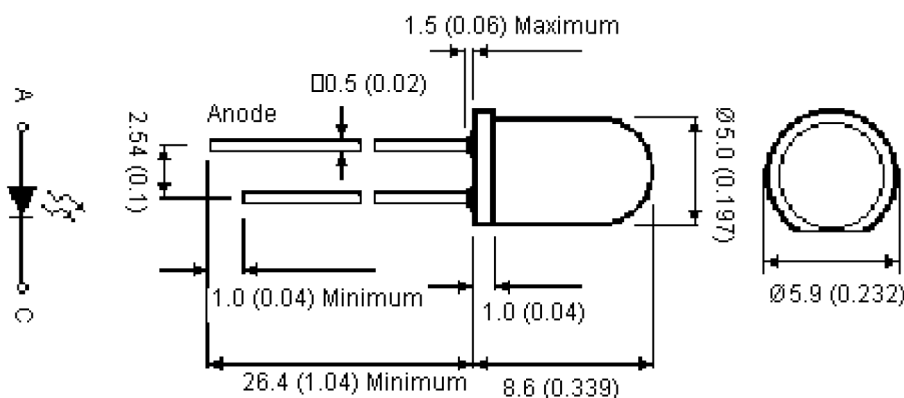
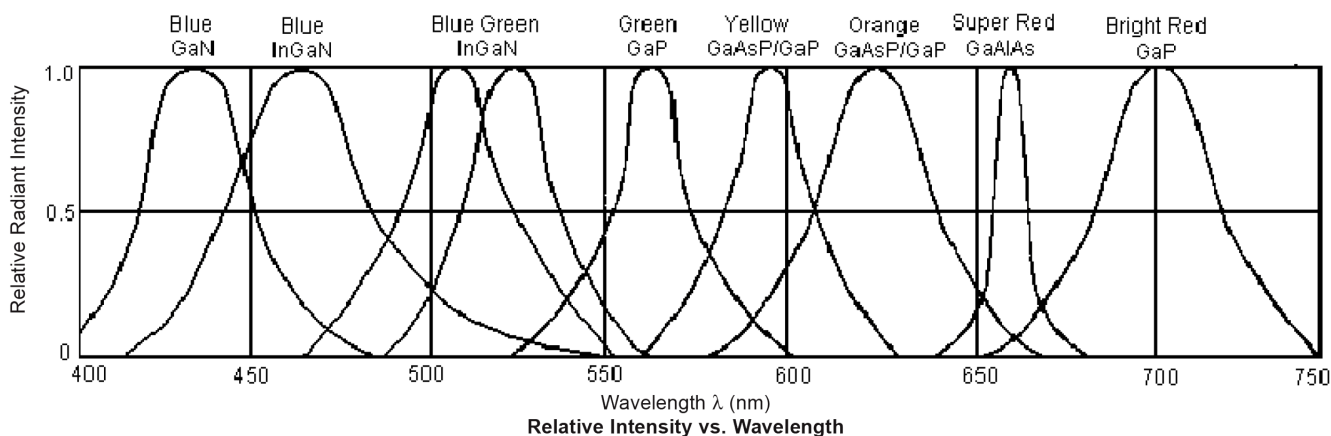


Bright Red (GaAsP on GaP) $\lambda_P = 635\text{nm}$



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Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
LED, Flashing, 5mm, HE-Red	MCLF056MD

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