

# LED

## HE-Red, 5mm



### 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 $T_a = 25^\circ\text{C}$

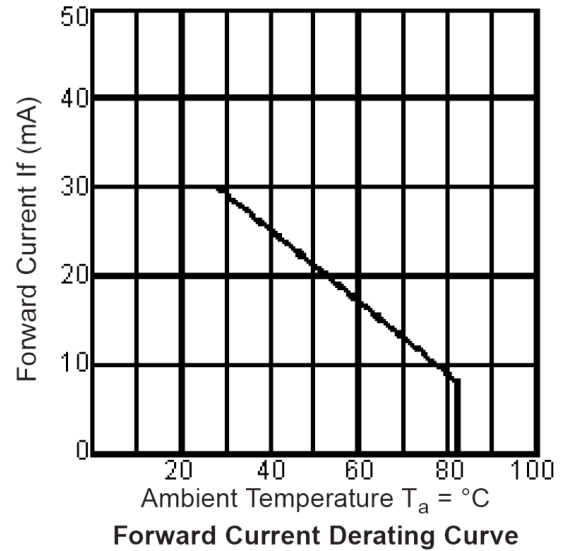
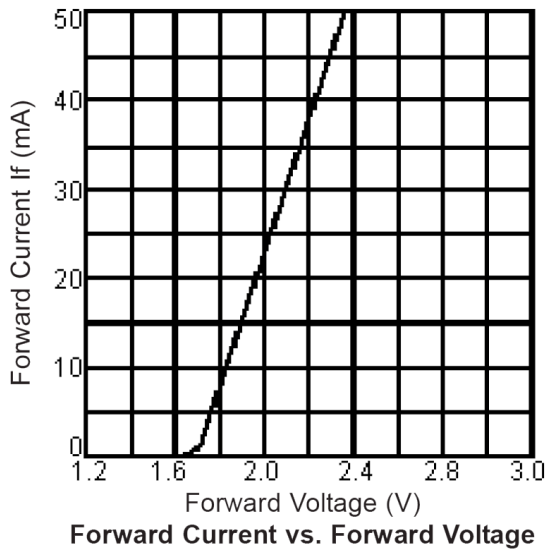
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	-	10	-	mcd	$I_F = 20\text{mA}$
Peak Emission Wavelength	$\lambda_P$	-	635	-	nm	Measurement at Peak
Dominant Wavelength	$\lambda_D$	-	625	-		$I_F = 20\text{mA}$
Operating Voltage	$V_{dd}$	3	5	10	V	-
Blinking Frequency	$F_{blk}$	2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

# LED

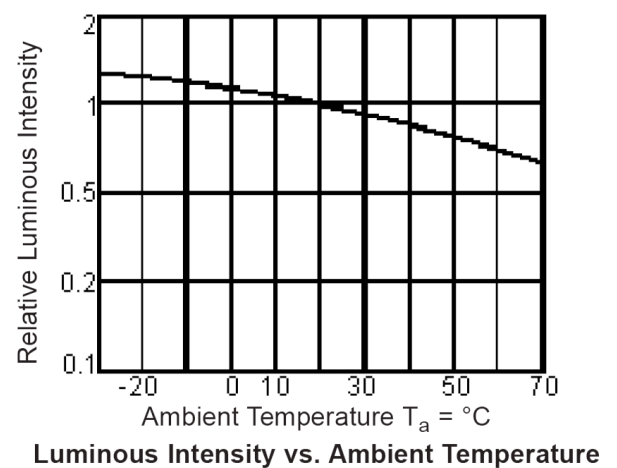
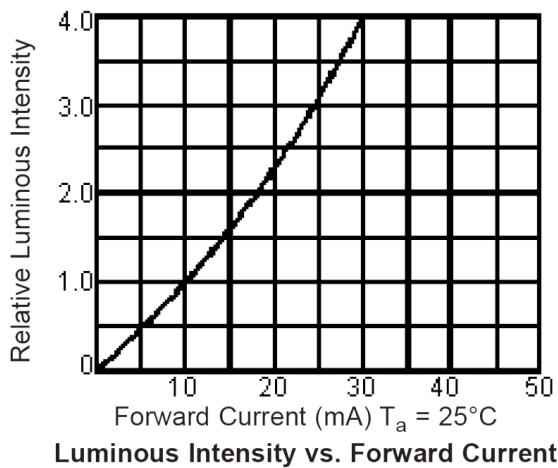
## HE-Red, 5mm



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

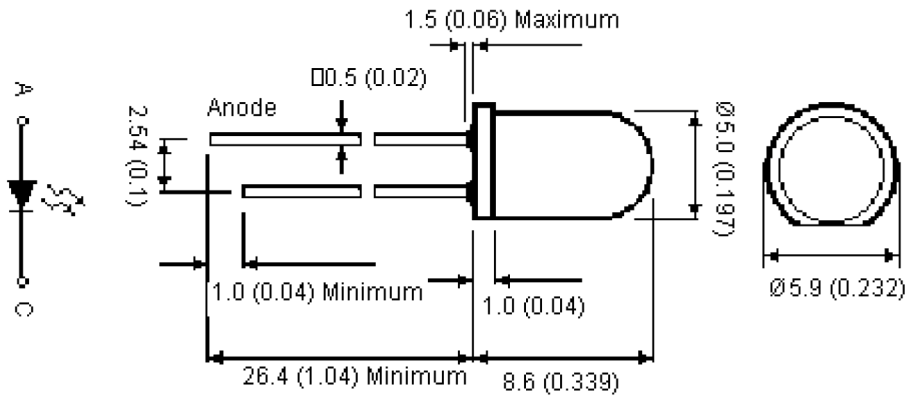
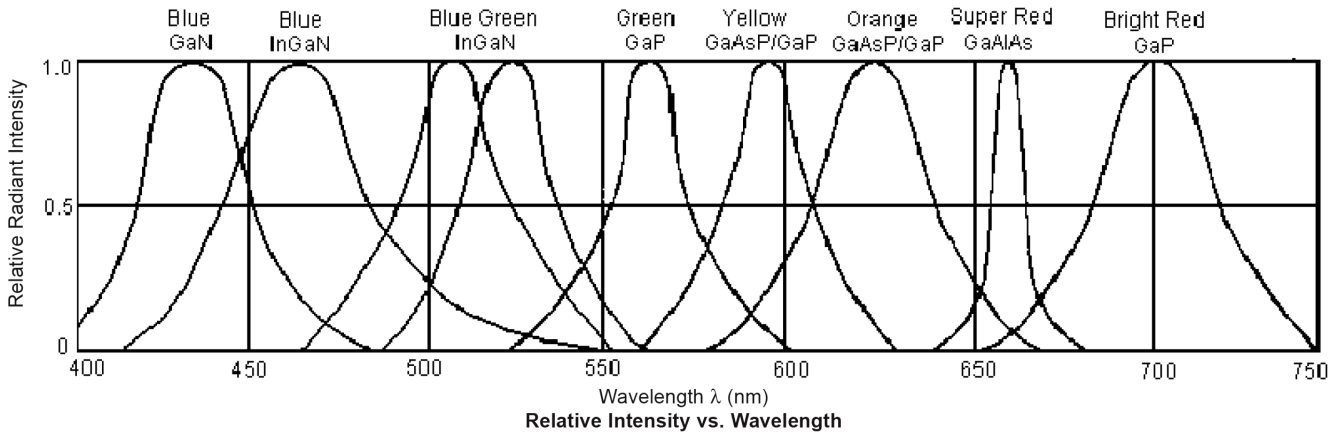


### Bright Red (GaAsP on GaP) $\lambda_P = 635\text{nm}$



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Dimensions : Millimetres (Inches)

### Part Number Table

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

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