



element14

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[MCLF056YD](#)

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# LED

## Yellow, 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	: Yellow
Lens colour	: Yellow Diffused
Peak wavelength	: 587nm
Viewing angle	: 45°
Luminous intensity (IV)	: 9.8mcd

### 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 +85°C	
Lead Soldering Temperature [4mm (0.157 inch) from body]	260°C for 5 Seconds	

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

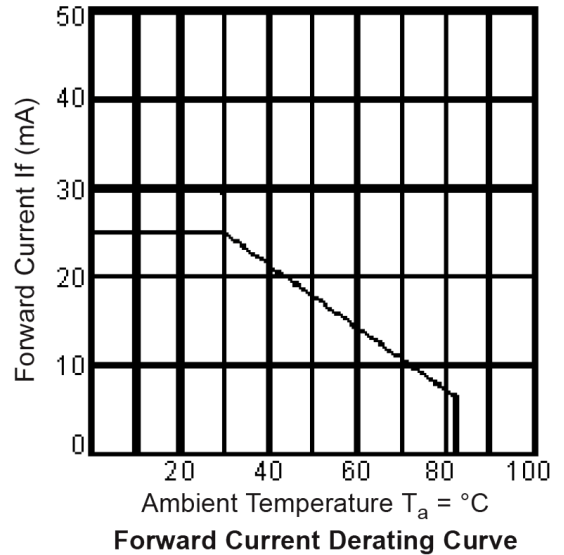
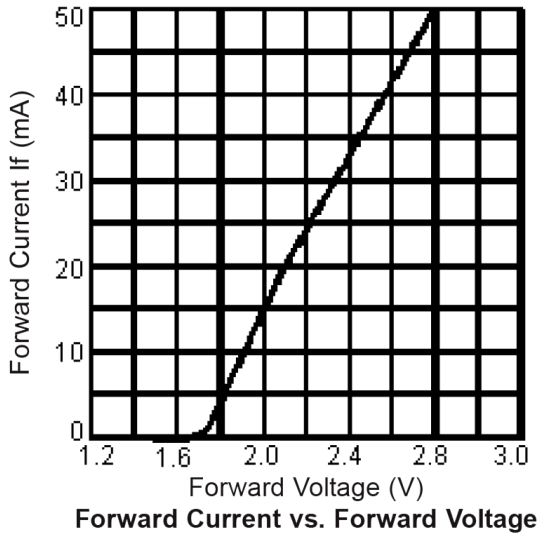
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	$I_v$	-	9.8	-	mcd	$I_f = 20\text{mA}$
Peak Emission Wavelength	$\lambda_P$	-	587	595	nm	Measurement at Peak
Dominant Wavelength	$\lambda_D$	-	590	-		$I_f = 20\text{mA}$
Operating Voltage	$V_{dd}$	3	5	10	V	-
Blinking Frequency	$F_{blk}$	2	2.4	2.8	Hz	-
Reverse Current	$I_R$	-	-	100	$\mu\text{A}$	$V_R = 5V$

# LED

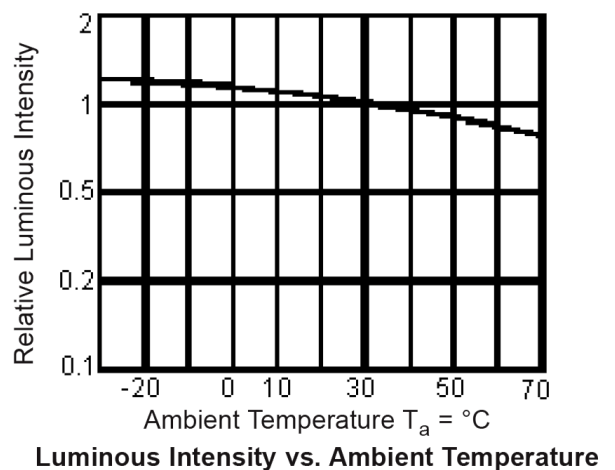
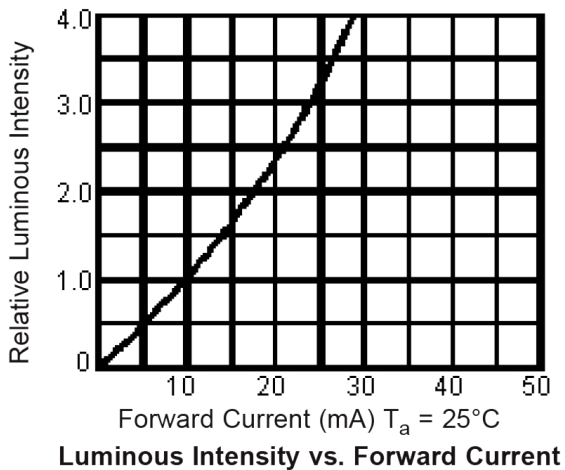
## Yellow, 5mm



### Yellow (GaAsP/GaP) $\lambda_P = 587\text{nm}$

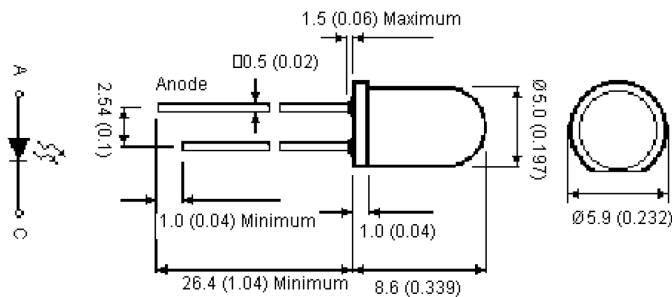
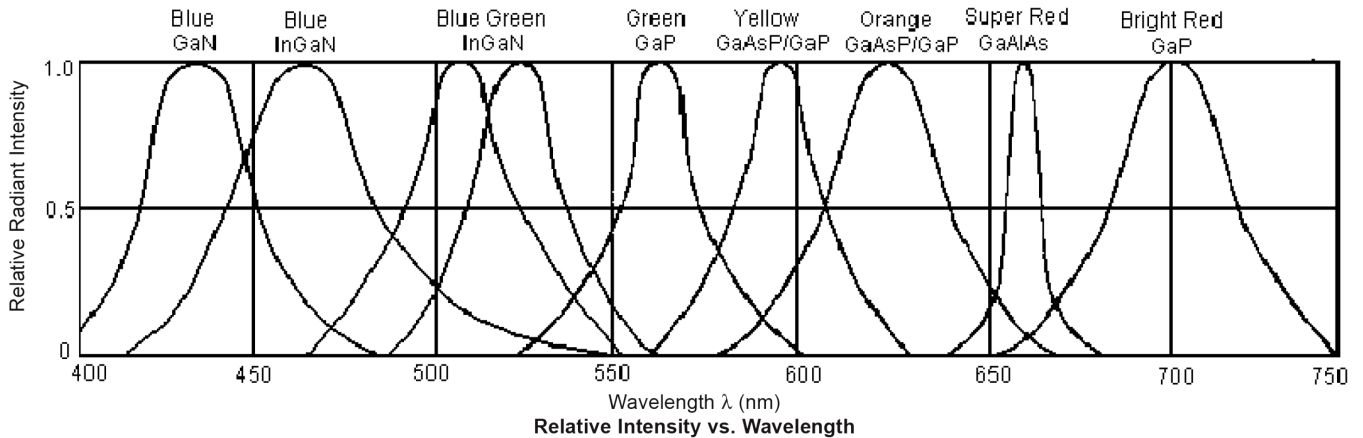


### Yellow (GaAsP/GaP) $\lambda_P = 587\text{nm}$



# LED

## Yellow, 5mm



Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, Flashing, 5mm, Yellow	MCLF056YD

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