

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 ($T_a = 25^{\circ}C$)

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 $T_a = 25^{\circ}C$

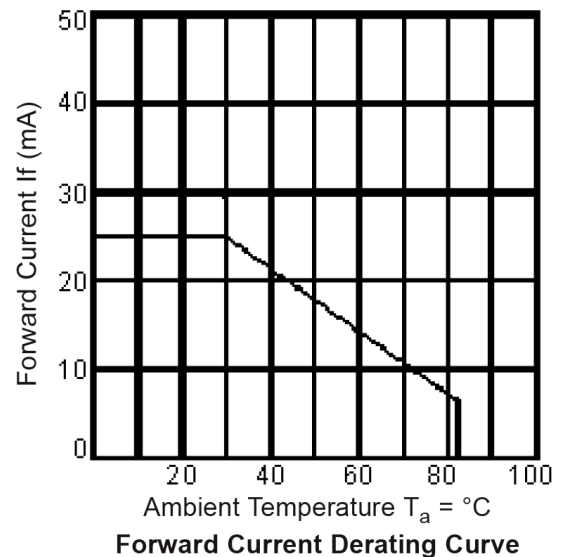
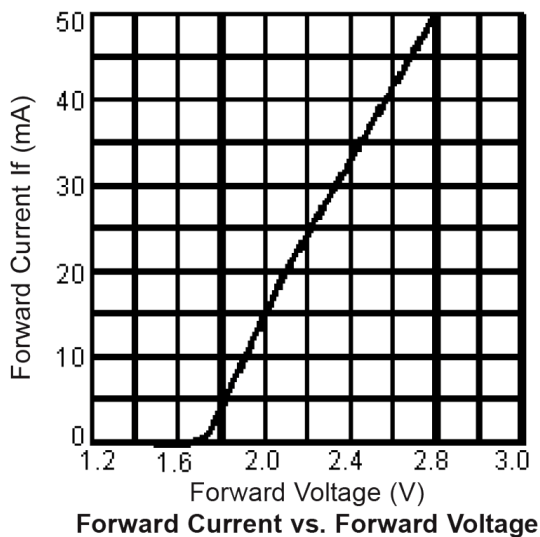
Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	I _v	-	9.8	-	mcd	I _f = 20mA
Peak Emission Wavelength	λ _P	-	587	595	nm	Measurement at Peak
Dominant Wavelength	λ _D	-	590	-		I _f = 20mA-
Operating Voltage	V _{dd}	3	5	10	V	-
Blinking Frequency	F _{blk}	2	2.4	2.8	Hz	-
Reverse Current	I _R	-	-	100	μA	V _R = 5V

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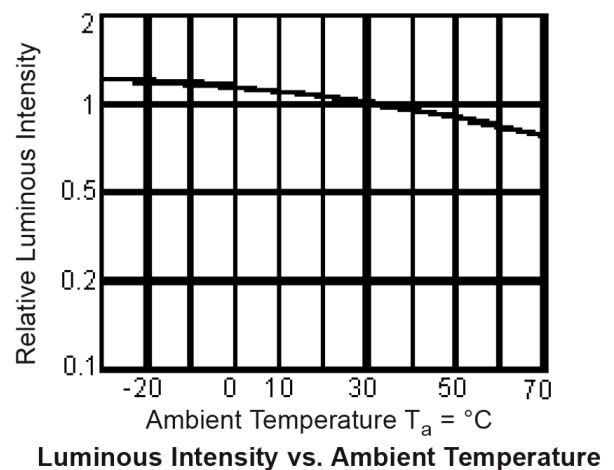
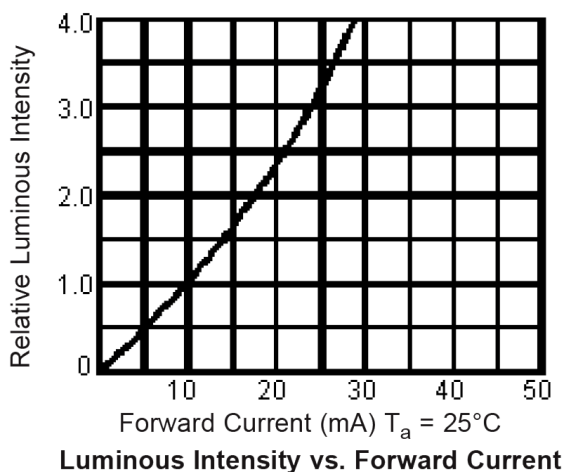
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Yellow (GaAsP/GaP) $\lambda_P = 587\text{nm}$

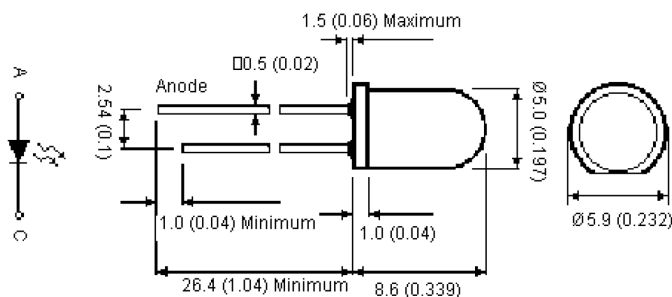
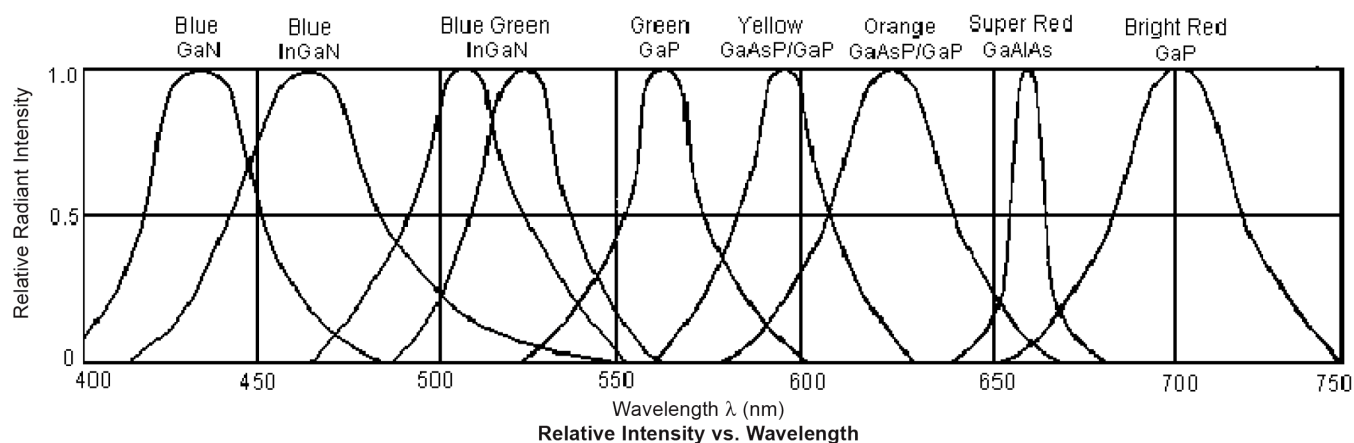


Yellow (GaAsP/GaP) $\lambda_P = 587\text{nm}$



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Dimensions : Millimetres (Inches)

Part Number Table

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

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