

# Rectangular LED

## HI Red, 2mm × 5mm

multicomp<sup>PRO</sup>

RoHS  
Compliant



### Specifications:

Dice material	: GaP
Emitted colour	: HI-Red
Lens colour	: Red Diffused
Peak wavelength	: 697nm
Viewing angle	: 120°
Luminous intensity (IV)	: 1.2mcd

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

Reverse Voltage	5V
Reverse Current	10 $\mu$ A ( $V_R = 5V$ )
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

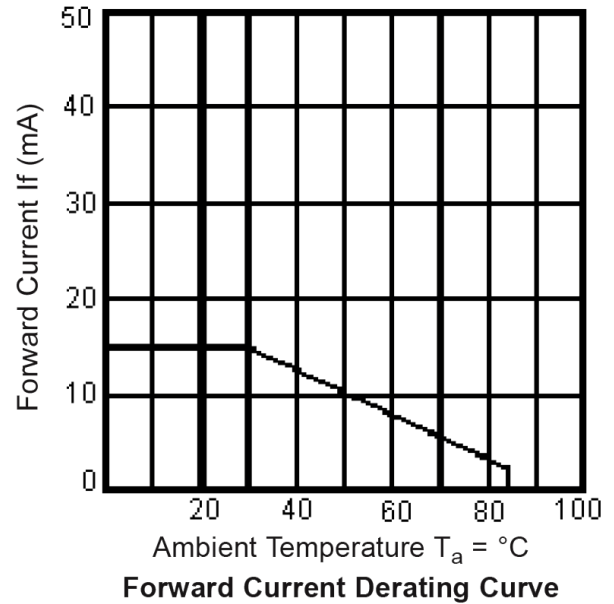
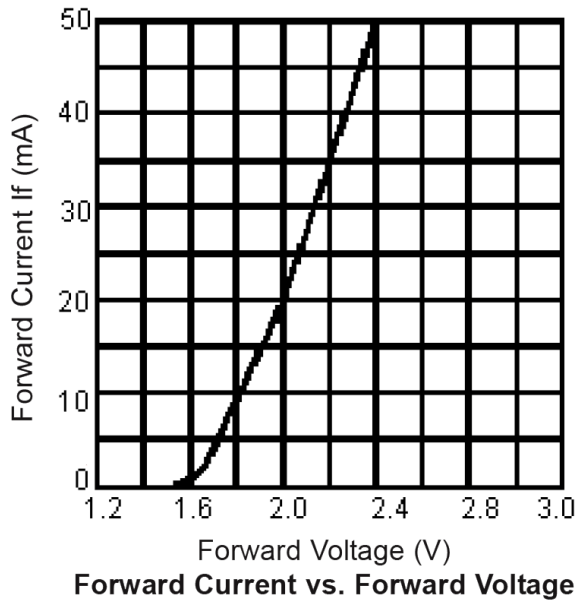
### Electrical/Optical Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	0.5	1.2	1.6	mcd	IF = 20mA
Viewing Angle	2 $\theta$ 1/2	-	120	-	degrees	
Peak Emission Wavelength	$\lambda_P$	-	697	-	nm	-
Dominant Wavelength	$\lambda_D$	-	650	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	20	-		-
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation	Pd	-	-	45	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	50	-	-
Recommended Operating Current	IF (Rec)	-	10	-	mA	-

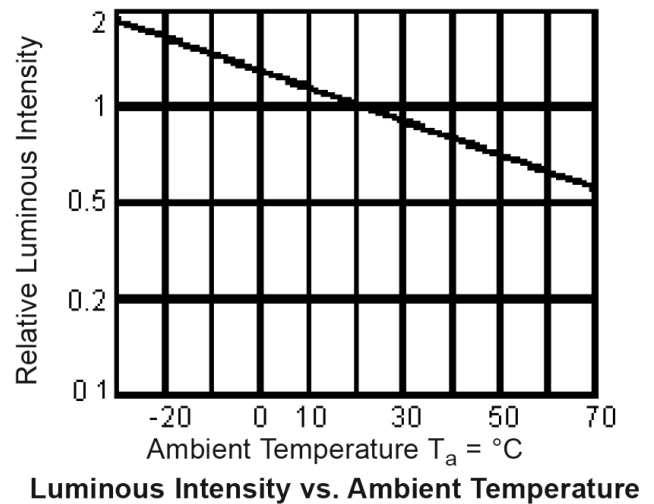
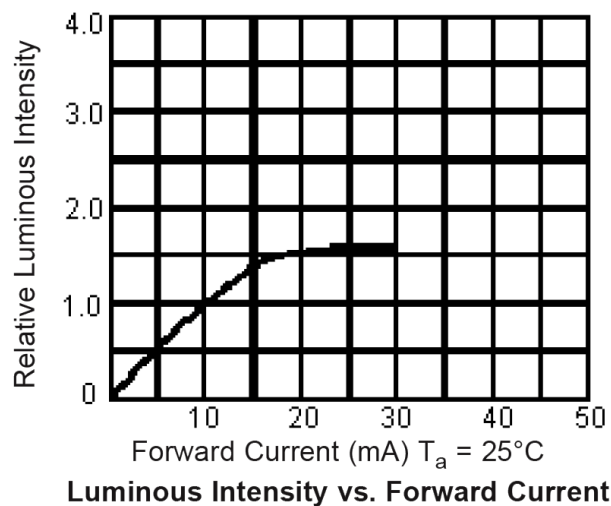
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### Bright Red (GaP $\lambda_P = 697\text{nm}$ )



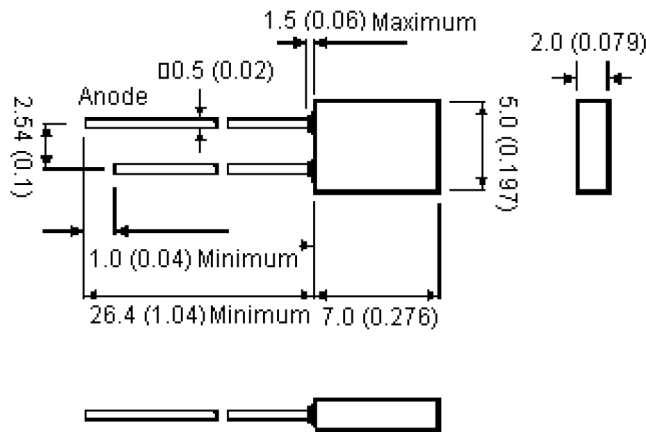
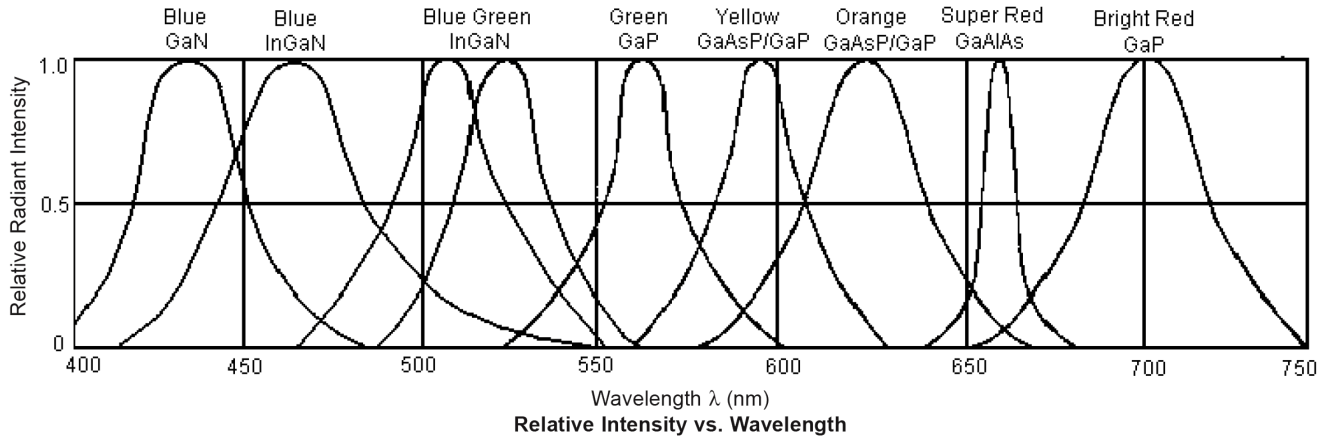
### Bright Red (GaP $\lambda_P = 697\text{nm}$ )



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**multicomp** PRO



Dimensions : Millimetres (Inches)

### Part Number Table

Description	Part Number
LED, 2mm × 5mm, 120°, HI-Red	MCL453PD

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