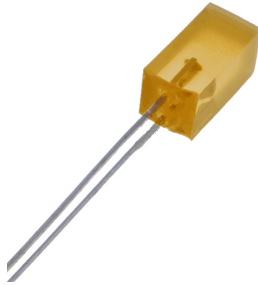


Square LED

Amber, 5mm × 5mm

multicomp^{PRO}

RoHS
Compliant



Specifications:

Dice Material	: GaAsP on GaP
Emitted Colour	: Amber
Lens Colour	: Amber Diffused
Peak Wavelength	: 610nm
Viewing Angle	: 150°
Luminous Intensity (IV)	: 4.5mcd

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

Reverse Voltage	5V
Reverse Current	10 μ 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

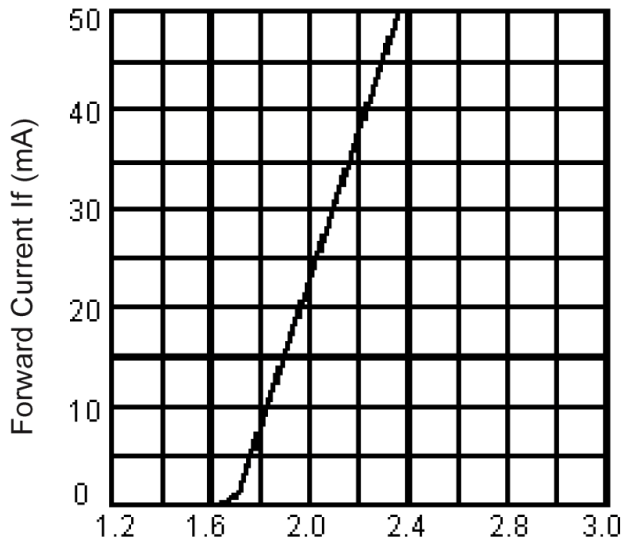
Electrical/Optical Characteristics at $T_a = 25^\circ\text{C}$

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	2.5	4.5	6.6	mcd	IF = 20mA
Viewing Angle	2 θ 1/2	-	150	-	degrees	
Peak Emission Wavelength	λ_P	-	610	-	nm	-
Dominant Wavelength	λ_D	-	606	-		-
Spectral Line Half-Width	$\Delta\lambda$	-	40	-		-
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 20mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current (Duty 1/10 at 1kHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

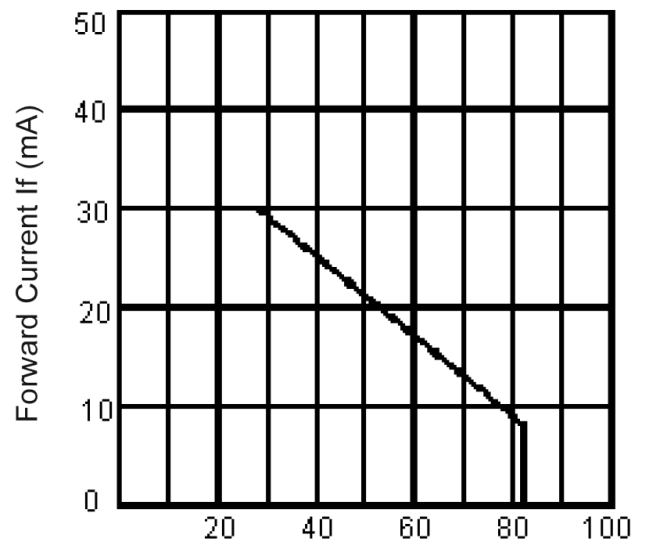
Square LED

Amber, 5mm × 5mm

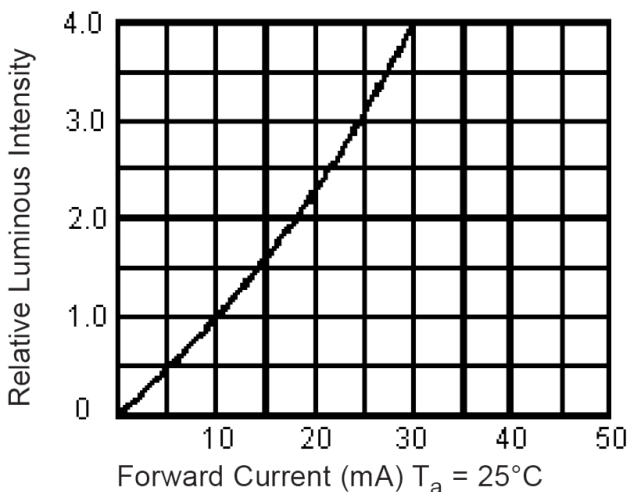
Amber (GaAsP/CaP $\lambda_P = 610\text{nm}$)



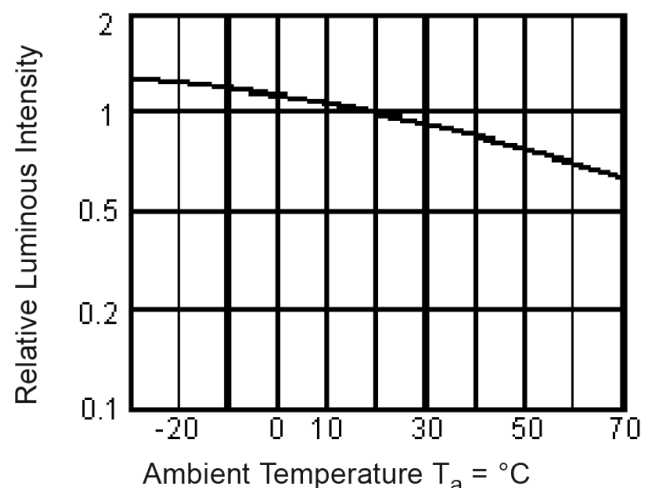
Forward Voltage (V)
Forward Current vs. Forward Voltage



Ambient Temperature $T_a = ^\circ\text{C}$
Forward Current Derating Curve



Forward Current (mA) $T_a = 25^\circ\text{C}$
Luminous Intensity vs. Forward Current

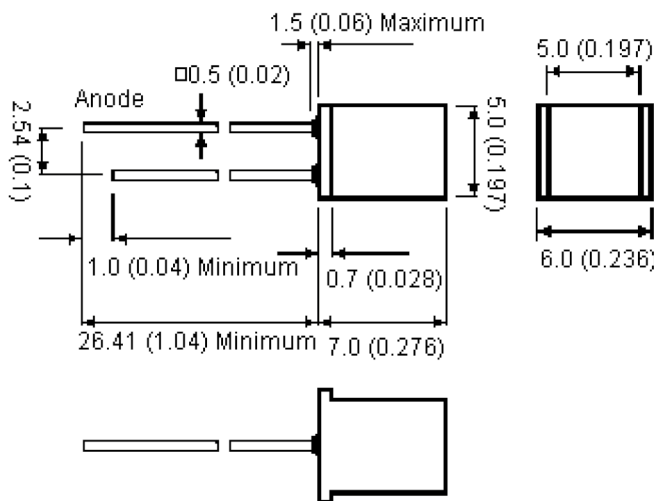
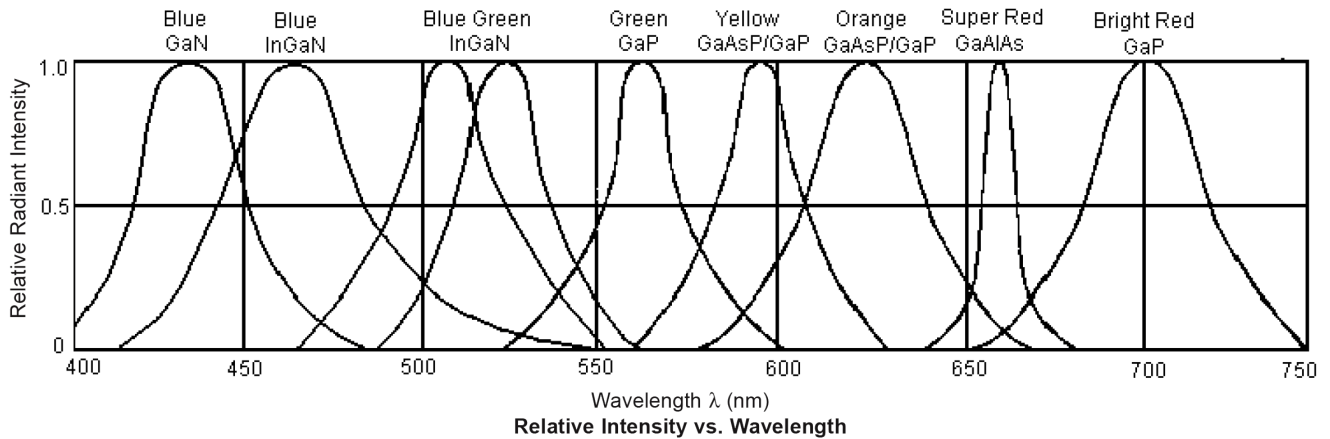


Ambient Temperature $T_a = ^\circ\text{C}$
Luminous Intensity vs. Ambient Temperature

Square LED

Amber, 5mm × 5mm

multicomp PRO



Dimensions : Millimetres (Inches)

Part Number Table

Description	Part Number
LED, 5mm × 5mm, 150°, Amber	MCL293BD

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