multicomp	PART NO.		REVISIONS								
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
		-	А	RELEASED	Rekha	27/5/08	Suresh	27/5/08	G. C	11/6/08	



Ø5.0 (0.197)

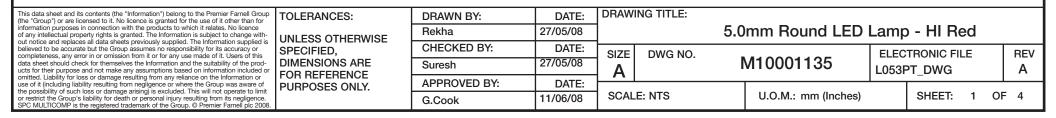
1.5 (0.06) Maximum. 8.6 (0.339) (0.04)0 (1.04) Minimum (0.02)(1.04) Minimum 0.5. Anode 26.4 0 ا م 2.54 (0.1) Dimensions : Millimetres (Inches)

Specifications:

- Dice material : GaP. Emitted color : Red. Lens color Peak wavelength : 697nm. : 16 degrees. Viewing angle Luminous intensity (IV) : 10mcd.
 - : Red transparent.

Electrical/Optical Characteristics at T_a = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	5	10	15	mcd	IF = 10mA
Viewing Angle	20 1/2	-	16	-	degrees	
Peak Emission Wavelength	• p	-	697	-		-
Dominant Wavelength	• 10	-	650	-	nm	-
Spectral Line Half-Width	Δλ	-	90	-		-
Forward Voltage	VF	1.7	2.1	2.6	V	IF = 10mA
Power Dissipation	Pd	-	-	45	-	-
Peak Forward Current (Duty 1/10 at 1KHz)	IF (Peak)	-	-	50	-	-
Recommended Operating Current	IF (Rec)	-	10	-	mA	-



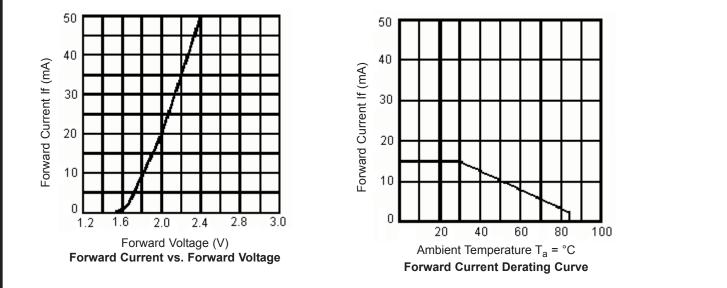


	PART NO.	REVISIONS								
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL053PT	-	А	RELEASED	Rekha	27/5/08	Suresh	27/5/08	G. C	11/6/08

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

Reverse Voltage	5 Volt
Reverse Current	10μA (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

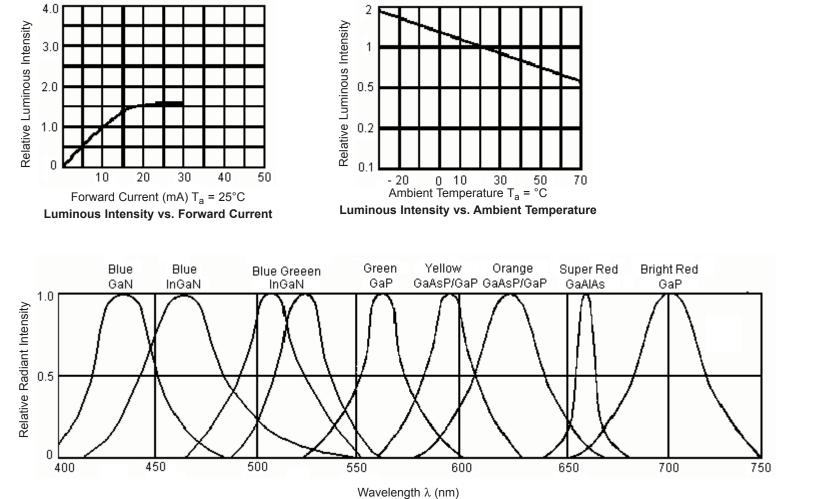
Bright Red (GaP λ P = 697nm)



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Completeness, any error in or omission from it or for any use made of it. Users of this	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV
data sheet should check for themselves the Information and the suitability of the prod- ucts for their purpose and not make any assumptions based on information included or	DIMENSIONS ARE FOR REFERENCE	Suresh	27/05/08	Δ	M10001135	L053PT DWG	Α
childed Edubility for loco of damage foodlang formally follarios of the information of	PURPOSES ONLY.	APPROVED BY:	DATE:				
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	PART NO.		REVISIONS									
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
		-	А	RELEASED	Rekha	27/5/08	Suresh	27/5/08	G. C	11/6/08		





Relative Intensity vs. Wavelength

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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.	M10001135	ELECTRONIC FILE	REV
	DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Suresh	27/05/08	Δ		L053PT_DWG	A
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	PART NO.		REVISIONS								
	1 [ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
		-	Α	RELEASED	Rekha	27/5/08	Suresh	27/5/08	G. C	11/6/08	

Part Number Table

Description	Part Number
LED, 5mm, 16°, HI-Red	MCL053PT

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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	DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Suresh	27/05/08	Δ	M10001135	L053PT_DWG	A
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