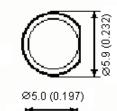
e multicomp	PART NO.		REVISIONS							
	MCL053MT	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	А	RELEASED	Rekha	26/5/08	Suresh	26/5/08	G. C	10/6/08

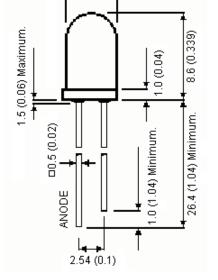


Specifications:

Lens color

Dice material : GaAsP on GaP. Emitted color : Hi-eff red. : Red transparent. Peak wavelength : 635nm. Viewing angle : 16 degrees. Luminous intensity (IV) : 55mcd.





Dimensions : Millimetres (Inches)

Electrical/Optical Characteristics at T_a = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	30	55	80	mcd	IF = 20mA
Viewing Angle	20 1/2	-	16	-	degrees	IF - 2011A
Peak Emission Wavelength	• p	-	635	-		-
Dominant Wavelength	• 10	-	625	-	nm	-
Spectral Line Half-Width	Δλ	-	45	-		-
Forward Voltage	VF	1.6	2.0	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	-

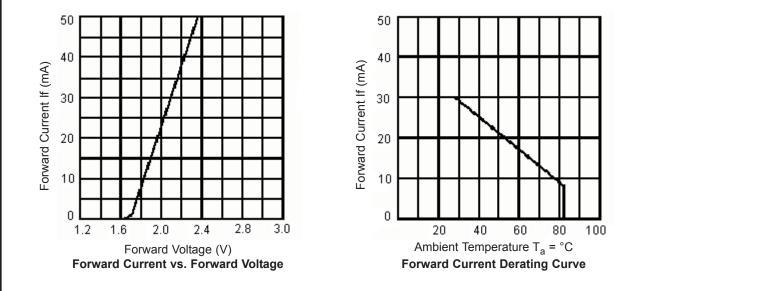
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		CHECKED BY:	DATE:	SIZE DWG NO.			ELECTRONIC FILE	
		Suresh	26/05/08	Δ	M10001133	L053MT DWG		Α
		APPROVED BY:	DATE:				_	
ne possibility of such loss of damage ansing) is excluded. This will not operate to limit		G.Cook	10/06/08	SCALE: NTS	U.O.M.: mm (Inches)		SHEET: 1 (DF 4

multicomp	PART NO.	REVISIONS								
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL053MT	-	А	RELEASED	Rekha	26/5/08	Suresh	26/5/08	G. C	10/6/08

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

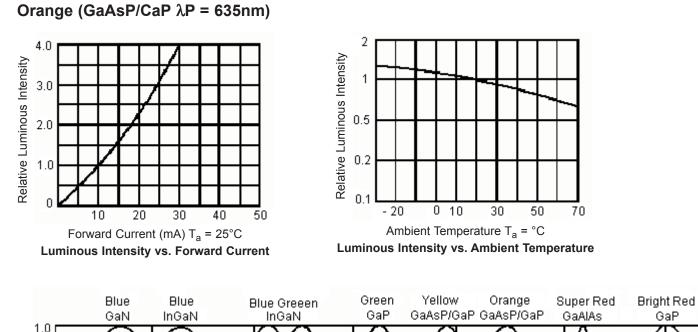
Reverse Voltage	5 Volt
Reverse Current	10μA (V _R = 5V)
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

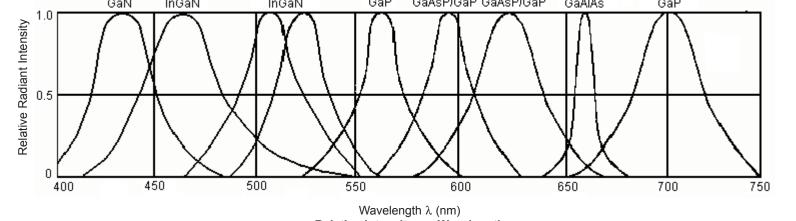
Orange (GaAsP/CaP λ P = 635nm)



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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV
	DIMENSIONS ARE	Suresh	26/05/08	Δ	M10001133	L053MT_DWG	A
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	PART NO.		REVISIONS										
	MCL053MT	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Rekha	26/5/08	Suresh	26/5/08	G. C	10/6/08			





Relative Intensity vs. Wavelength

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	ıp - HE Red
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G.Cook 10/06/08 SCALE: NTS U.O.M.: mm (Inches) SHEET: 3 OF	SHEET: 3 OF 4

e multicomp	PART NO.		REVISIONS							
	1	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	Α	RELEASED	Rekha	26/5/08	Suresh	26/5/08	G. C	10/6/08

Part Number Table

Description	Part Number
LED, 5MM, 16°, HE-Red	MCL053MT

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV
	DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Suresh	26/05/08	Δ	M10001133	L053MT_DWG	A
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