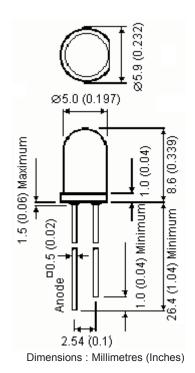
	PART NO.			REVISIONS						
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL053SRD	-	А	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08



Specifications:

Dice material	: GaAlAs.
Emitted color	: Super red.
Lens color	: Red diffuse
Peak wavelength	: 660nm.
Viewing angle	: 45 degrees
Luminous intensity (IV)	: 50mcd.

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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	25	50	75	mcd	IF = 20mA
Viewing Angle	20 1/2	-	45	-	degrees	11 – 2011A
Peak Emission Wavelength	• p	-	660	-		-
Dominant Wavelength	• 10	-	643	-	nm	-
Spectral Line Half-Width	Δλ	-	20	-		-
Forward Voltage	VF	1.5	1.85	2.5	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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	UNLESS OTHERWISE	Geetha	29/05/08] 5.0mm R	 Super Red 		
	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV
	DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Suresh	29/05/08		M10001187	L053SRD DWG	A
		APPROVED BY:	DATE:				
		G.Cook	13/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 1	OF 4

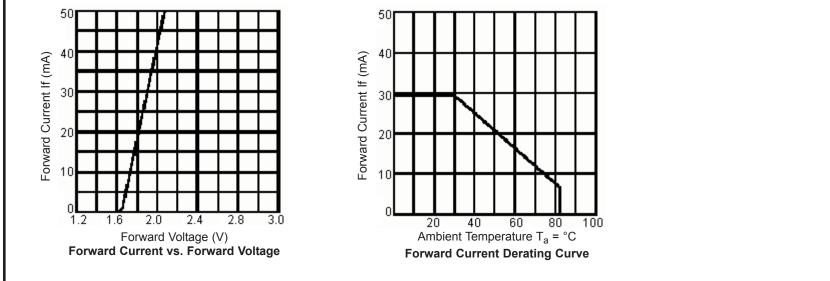


	PART NO.			REVISIONS						
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	A	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08

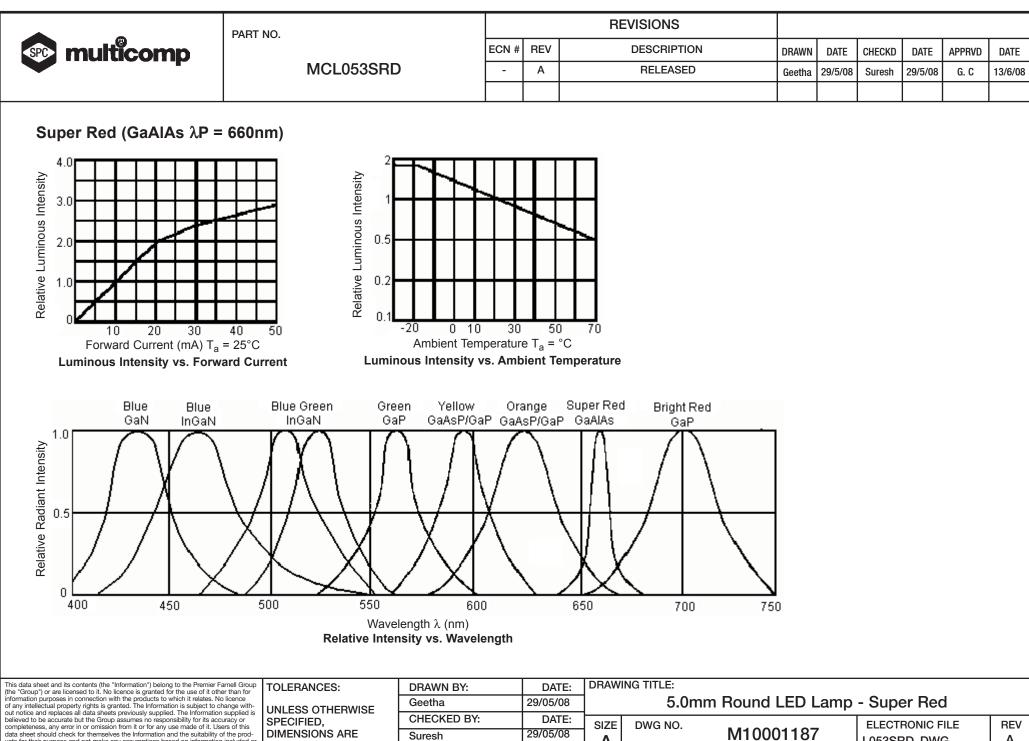
Absolute Maximum Ratings ($T_a = 25^{\circ}C$)

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

Super Red (GaAlAs $\lambda P = 660$ nm)



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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE		REV	
data sheet should ucts for their purpo	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 PURPOSES ONLY.	Suresh	29/05/08	Δ	M10001187	L053SRD DWG		A
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or restrict the Grou	p(s) liability for death or personal injury resulting from its negligence. P is the registered trademark of the Group. © Premier Farnell plc 2008.		G.Cook	13/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET:	2 0	DF 4



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SCALE: NTS

DATE:

13/06/08

L053SRD_DWG

SHEET: 3 OF 4

U.O.M.: mm (Inches)

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		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	А	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08
	I									

Part Number Table

Description	Part Number
LED, 5mm, 36°, Super-Red	MCL053SRD

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	29/05/08		M10001187	L053SRD DWG	A
		APPROVED BY:	DATE:				
		G.Cook	13/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 4 C	OF 4