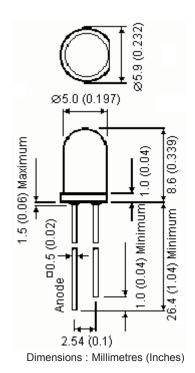
	PART NO.		REVISIONS							
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL053SAC	-	А	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08



Specifications:

Dice material	: AllnGaP.
Emitted color	: Super orange.
Lens color	: Water clear.
Peak wavelength	: 635nm.
Viewing angle	: 16 degrees.
Luminous intensity (IV)	: 2750mcd.

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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1450	2750	4000	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	-	17	-	-	-
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	-

RoHS Compliant

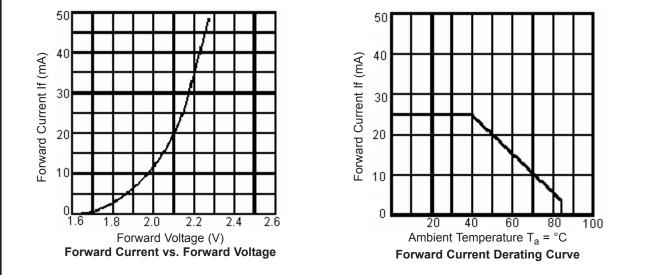
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		CHECKED BY:	DATE:	SIZE DWG NO.	E		LECTRONIC FILE		
		Suresh	29/05/08		V10001186	L053SAC_DWG		A	
		APPROVED BY:	DATE:						
		G.Cook	13/06/08	SCALE: NTS	U.O.M.: mm (Inches)		SHEET: 1	OF 4	

e multicomp	PART NO.		REVISIONS							
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL053SAC	-	A	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08

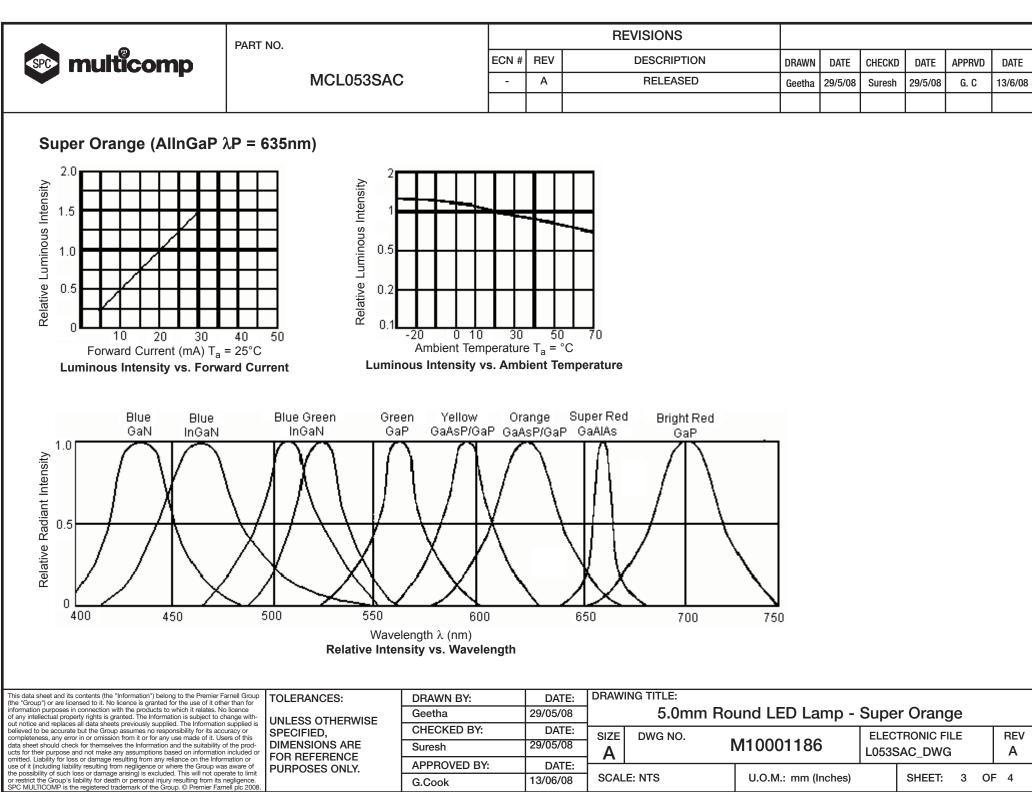
Absolute Maximum Ratings ($T_a = 25^{\circ}C$)

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 Orange (AllnGaP λ P = 635nm)



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		CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV			
		Suresh	29/05/08		M10001186	L053SAC DWG	A			
		APPROVED BY:	DATE:							
or restrict the Group's liability for death or personal injury resulting from its negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell pic 2008.		G.Cook	13/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 2	OF 4			



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		CHECKED BY:	DATE:	SIZE DWG NO.		ELEC	ELECTRONIC FILE		
		Suresh	29/05/08	Δ	M10001186		L053SAC DWG		
		APPROVED BY:	DATE:		U.O.M.: mm (Inches)				
		G.Cook	13/06/08	SCALE: NTS			SHEET: 3 C	DF 4	

		w multicomp		REVISIONS							
	1		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
MCL053SAC - A RELEASED Geetha 29/5/08 Suresh 29/5/08 G. C	MCL053SAC		-	А	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08

Part Number Table

Description	Part Number
LED, 5mm, 16°, Super-Orange	MCL053SAC

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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		CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV			
		Suresh	29/05/08		M10001186	L053SAC DWG	A			
		APPROVED BY:	DATE:							
		G.Cook	13/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 4	OF 4			