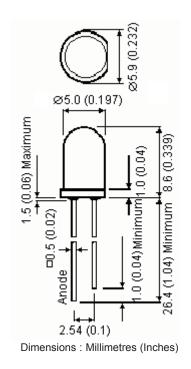
	PART NO.		REVISIONS									
🐢 multicomp	MCL053SWC-WH1	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
		-	А	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08		



Specifications:

Dice material	: InGaN.
Emitted color	: White.
Lens color	: Water clear.
Peak wavelength	: Y = 0.31.
Viewing angle	: 16 degrees.
Luminous intensity (IV)	: 9000mcd.

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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	4500	9000	13500	mcd	IF = 20mA
Viewing Angle	20 1/2	-	16	-	degrees	- IF - 2011A
Peak Emission Wavelength	Х	-	0.29	-		-
Dominant Wavelength	Y	-	0.31	-	nm	-
Spectral Line Half-Width	Δλ	-	-	-		-
Forward Voltage	VF	2.7	3.4	4.0	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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info of a	mation purposes in connection with the products to which it relates. No licence ny intellectual property rights is granted. The Information is subject to change with- notice and replaces all data sheets previously supplied. The Information supplied is	UNLESS OTHERWISE	Geetha	29/05/08] 5.0mm R	ound LED Lamp	- Pure White	
beli	voice and replaces an data sneets previously supplied. The momation supplied is aved to be accurate but the Group assumes no responsibility for its accuracy or ipleteness, 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
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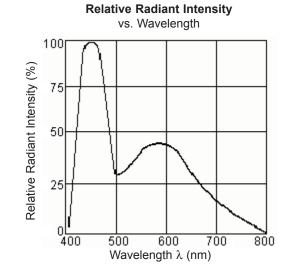


	PART NO.		REVISIONS										
🐼 multicomp		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08			

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

Reverse Voltage	5 Volt
Reverse Current	10μA (V _R = 5V)
Electrostatic Discharge (ESD)	200 Volt
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

White Typical Electrical Optical Characteristics Curves (T_a = 25°C Ambient Temperature Unless Otherwise Noted)



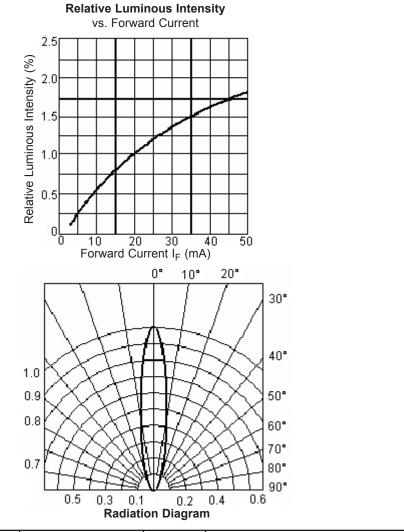
Forward Current vs. Forward Voltage

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believed	and replaces all data sheets previously supplied. The Information supplied is to be accurate but the Group assumes no responsibility for its accuracy or eness, 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
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	т ⁻ Г	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08			

White Typical Electrical Optical Characteristics Curves (T_a = 25°C Ambient Temperature Unless Otherwise Noted)

Relative Luminous Intensity vs. Ambient Temperature 1000 Relative Luminous Intensity (%) 100 10 60 80 100 Ambient Temperature T_a (°C) Forward Current Derating Curve 50 40 Forward Current I_F (mA) 30 20 10 ٥Ļ 40 60 80 20 100 Ambient Temperature T_a (°C)



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1	information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change with-	UNLESS OTHERWISE	Geetha	29/05/08		5.0mm R	ound LED Lamp	- Pur	e White	
	believed to be accurate but the Group assumes no responsibility for its accuracy or 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.		ELEC	TRONIC FILE	REV
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	PART NO.		REVISIONS										
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	MCL053SWC-WH1	-	A	RELEASED	Geetha	29/5/08	Suresh	29/5/08	G. C	13/6/08			
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Part Number Table

Description	Part Number
LED, 5mm, 16°, Pure White	MCL053SWC-WH1

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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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 plc 2008.	nal injury resulting from its negligence.		13/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 4 O	0F 4