	PART NO.				REV	ISIONS							
🐢 multicomp				ECN # REV D			DESCRIPTION		DATE	CHECKD	DATE	APPRVD	DATE
	MCL-S250GC		-	А	RELEASED			Geetha	28/5/08	Suresh	28/5/08	G. C	12/6/08
	. 1.1	Sr		cations:									
Cathode mark LED Die	Dic En Ep Pe Vie Lui	ce mate hitted cc oxy colo ak wave ewing ar minous	rial blor or elength ngle intensity (l'	: Ga : Gr : Wa : 566 : 140 V) : 100	een. ater clear. 8nm. 0 degrees. mcd.	ics at T <sub>a</sub>	= 25°C				HS mpilant		
				Parameter		Symbol	Minimum	Typical	Max	imum	Unit	Те	est
	Resin PCB	L	uminous Intensity			IV	5	10	1	15	mcd	15 - 1	20mA
	<ul> <li>Recommended Soldering</li> </ul>	ring		Angle		20 1/2	-	140		-	degrees	S 17 - 2	20111A
Soldering terminal	Patten for Reflow soldering	F	Peak Emission Wavelength		• p	-	568		-			-	
			ominar	nt Wavelen	gth	• 10	-	570		-	nm		-
		1.5 S	Spectral	Line Half-V	Vidth	Δλ	-	30		-			-
		↓ F	orward	Voltage		VF	1.7	2.1	2	.6	V	IF = 2	20mA
				issipation		Pd	-	-	8	35	-		-
3	<b> -</b> − 1.5 - <b>-------------</b>			rward Curr 10 at 1KHz		IF (Peak)	-	-	1	00	-	-	-
	<ul> <li>The polarity is reversed on the SR, UR series</li> <li>Unit:mm Tolerance : +/-0.1</li> </ul>		Recomm Current	nended Op	erating	IF (Rec)	-	20		-	mA	-	-
	Dimensions : Mil	limetres											
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of any intellectual property rights is granted. The Information is subject to di out notice and replaces all data sheets previously supplied. The Information believed to be accurate but the Group assumes no responsibility for its acc	supplied is UNLESS OTHERWISE	Geetha CHECKED BY:		28/05/08 DATE:			12	206 SM	U LEL				
completeness, any error in or omission from it or for any use made of it. Use data sheet should check for themselves the Information and the suitability or ucts for their purpose and not make any assumptions based on information	rs of this f the prod- included or	Suresh		28/05/08	SIZE	DWG NO.	M10	001144			ECTRONIC FILE 250GC_DWG		REV A
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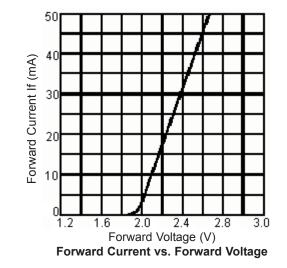
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on purposes in connection with the products to which it relates. No licence ellectual property rights is granted. The Information is subject to change with-	UNLESS OTHERWISE	Geetha	28/05/08		1206 SMD LED - Green					
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Eability for loop of damage repairing normally reliance on the information of	PURPOSES ONLY.	APPROVED BY:	DATE:			I				
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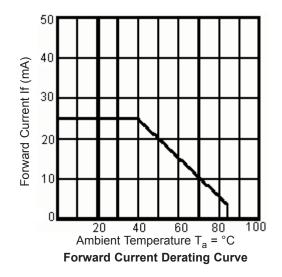
	PART NO.	REVISIONS									
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
		-	А	RELEASED	Geetha	28/5/08	Suresh	28/5/08	G. C	12/6/08	

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

Reverse Voltage	5 Volt
Reverse Current	10μA (V <sub>R</sub> = 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

## Green (GaP $\lambda$ P = 568nm)





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	MCL-S250GC		-	А		RELEASED	Geetha	28/5/08	Suresh	28/5/08	G. C	12/6/08
Green (GaP λP = 568nm)	)											
4.0 3.0 2.0 1.0 1.0 1.0 2.0 1.0 2.0 1.0 2.0 1.0 2.0 3.0 5 orward Current (mA) T <sub>a</sub> = Luminous Intensity vs. Forward	= 25°C	20 0 10 Ambient Temperat s Intensity vs. Ar		a = °C	70 ature							
Blue Blue Blue InGaN	Blue Green InGaN GaP				Super Rec GaAlAs	Bright Red GaP	750					
400	Wavele	ength $\lambda$ (nm)				100						
		sity vs. Waveleng	gtn		1							
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## Part Number Table

Description	Part Number
LED, SMD, 1206, Green	MCL-S250GC

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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