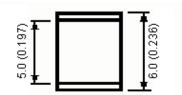
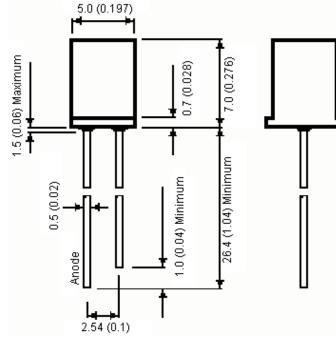
SPC multicomp		PART NO.			REVISIONS						
	multicomp		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		MCL293SRD	-	A	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08



Specifications:

Dice material: AIAGas.Emitted color: Super red.Lens color: Red diffused.Peak wavelength: 660nm.Viewing angle: 150 degrees.Luminous intensity (IV): 20mcd.





Dimensions : Millimetres (Inches)

Electrical/Optical Characteristics at T_a = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	10	20	30	mcd	IF = 20mA
Viewing Angle	20 1/2	-	150	-	degrees	1F - 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	-

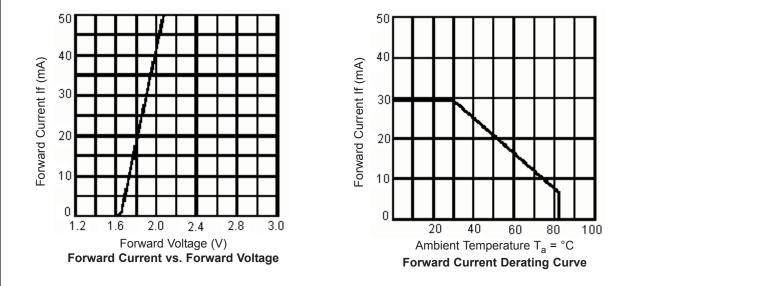
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		CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE		REV		
		Suresh	27/05/08	Δ	M10001164	L293SRD DWG		A		
use of it (including liability resulting from negligence or where the Group was aware of		APPROVED BY:	DATE:							
the possibility of such loss or damage arising) is excluded. This will not operate to limit 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 Famel plc 2008.		G.Cook	11/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEE	ET: 1 O)F 4		

	PART NO.		REVISIONS										
🐵 multicomp		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
	MCL293SRD	-	A	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08			

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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ormation purposes in connection with the products to which it relates. No licence any intellectual property rights is granted. The Information is subject to change with- t notice and replaces all data sheets previously supplied. The Information supplied is UNLESS OTHERWIS		Geetha	27/05/08	5.0mm x 5.0mm x 7.0mm Square LED Lamp - Super				
out notice and replaces an data sheets previously supplied. The information supplied is	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV	
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	Suresh	27/05/08		M10001164	L293SRD DWG	A	
childed. Edding for loop of damage resulting formally reliance on the internation of	PURPOSES ONLY.	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 plc 2008.		G.Cook	11/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 2 C	OF 4	

•	PART NO.				REVISIONS						
multicomp	FART NO.	-	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL293SRE	D [-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/0
Super Red (GaAlAs) λP	= 660nm)										
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 1.0 2.0 3.0 5 Forward Current (mA) T _a Luminous Intensity vs. Forv		-20 0 10 Ambient Temperous Intensity vs.	erature	T _a = °C	70 Prature						
Blue Blue Blue Infensity	InGaN G	reen Yellow GaAsP/Gaf		SP/GaP	Super Red GaAlAs GaP						
400 450		600 elength λ (nm) nsity vs. Wavele	ngth	6	50 700	750					
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DRAWN BY: Geetha	DATE: 27/05/08		RAWING TITLE: 5.0mm x 5.0mm x 7.0mm Square LED Lamp - Super R									
CHECKED BY: Suresh	DATE: 27/05/08	SIZE A	DWG NO.		ELECTRONIC FILE L293SRD_DWG							
APPROVED BY: G.Cook	DATE: 11/06/08	SCAL	E: NTS	U.O.M.: mm (Inches)		SHEET:	3	OF 4				

	PART NO.			REVISIONS							
🐢 multicomp	I	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE	
	MCL293SRD	-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08	

Part Number Table

Description	Part Number
LED, 5mmX5mm, 150°, Super-Red	MCL293SRD

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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		CHECKED BY:	DATE:	SIZE DWG NO.		ELECTE	ELECTRONIC FILE		
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		Suresh	27/05/08		M10001164	L293SRD_DWG		A	
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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 Famell plc 2008.		G.Cook	11/06/08	SCALE: NTS	U.O.M.: mm (Inches)		SHEET: 4 C	DF 4	