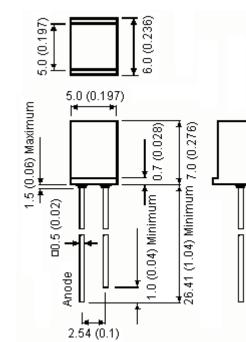
	PART NO.		REVISIONS									
	MCL293AD	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
		-	А	RELEASED	Veena	25/6/08	Suresh	25/6/08	G. C	10/7/08		



Dimensions : Millimetres (Inches)

- : GaAsP on GaP. Dice material Emitted color Lens color Peak wavelength Viewing angle Luminous intensity (IV) : 4.5mcd.
 - : Orange red. : Orange diffused. : 635nm. : 150 degrees.



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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	2.5	4.5	7.0	mcd	IF = 20mA
Viewing Angle	20 1/2	-	150	-	degrees	IF - 2011A
Peak Emission Wavelength	• p	-	635	-		-
Dominant Wavelength	• 10	-	625	-	nm	-
Spectral Line Half-Width	Δλ	-	45	-		-
Forward Voltage	VF	1.6	2.0	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	-

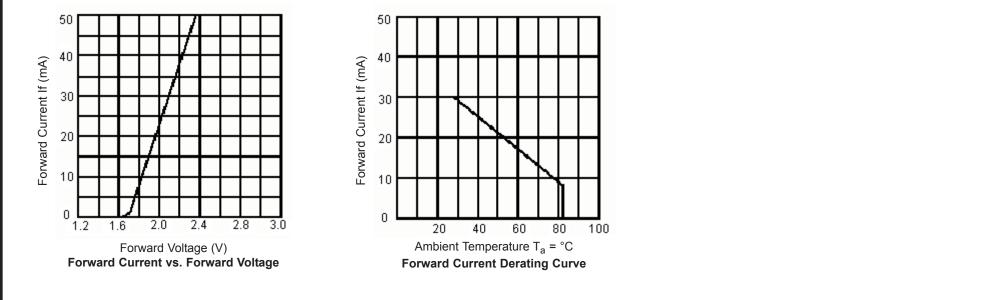
believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this data sheet should check for themselves the Information and the suitability of the prod- ucts for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or	TOLERANCES: UNLESS OTHERWISE	DRAWN BY: Veena	DATE: 25/06/08	DRAWING TITLE: 5.0mm x 5.0mm	x 7.0mm Square	LED I	Lamp - Ora	nge
	SPECIFIED, DIMENSIONS ARE	CHECKED BY: Suresh	DATE: 25/06/08	SIZE DWG NO.	M10001265	ELECTRONIC FILE		REV A
	FOR REFERENCE PURPOSES ONLY.	APPROVED BY: G.Cook	DATE: 10/07/08	SCALE: NTS	U.O.M.: mm (Inches)			OF 4

	PART NO.		REVISIONS										
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Veena	25/6/08	Suresh	25/6/08	G. C	10/7/08			

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				

Orange (GaAsP/CaP λ P = 635nm)



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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	Veena	25/06/08	5.0mm x 5.0mm x 7.0mm Square LED Lamp - Orange					
believed to be accurate	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 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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV	
data sheet should chec ucts for their purpose a		DIMENSIONS ARE	Suresh	25/06/08		M10001265	L293AD_DWG	A	
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or restrict the Group's li	liability for death or personal injury resulting from its negligence. ne registered trademark of the Group. © Premier Farnell plc 2008.	ath or personal injury resulting from its negligence.		10/07/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 2 O	DF 4	

	PART NO.			REVISIONS						
multicomp		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DAT
	MCL293AD	-	Α	RELEASED	Veena	25/6/08	Suresh	25/6/08	G. C	10/7
Orange (GaAsP/CaP $\lambda P =$ 40 3.0 2.0 1.0 1.0 0 Torward Current (mA) T _a = 2 Luminous Intensity vs. Forward	40 50 25°C L L L L L L L L L L L L L L L L L L L	perature	T _a = °(
Relative Eadiant Intensity	Blue Green InGaN GaP GaAsP/G GaAsP/G GaAsP/G GaAsP/G 500 550 550 60 Wavelength λ (nm)	BaP GaA	ange sP/Ga	Super Red P GaAIAS GaP 650 700 75	50					

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	SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC	FILE	REV	
		Suresh	25/06/08		M10001265	L293AD DWG		A	
		APPROVED BY:	DATE:					OF 4	
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	PART NO.		REVISIONS										
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	Α	RELEASED	Veena	25/6/08	Suresh	25/6/08	G. C	10/7/08			

Part Number Table

Description	Part Number
LED, 5mm x 5mm, 150°, Orange	MCL293AD

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTR	ELECTRONIC FILE			
	DIMENSIONS ARE	Suresh	25/06/08		M10001265	L293AD DWG		Α		
	PURPOSES ONLY.	APPROVED BY:	DATE:							
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