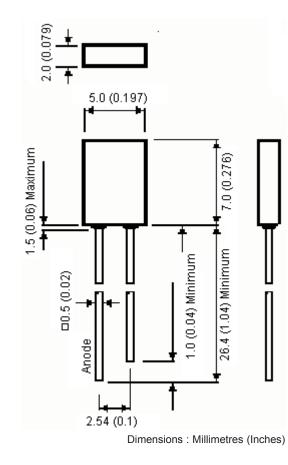
multicomp	PART NO.		REVISIONS											
	1	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE				
	MCL453AD	-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08				



Specifications:

Dice material	: GaAsP on GaP.
Emitted color	: Orange red.
Lens color	: Orange diffused.
Peak wavelength	: 635nm.
Viewing angle	: 120 degrees.
Luminous intensity (IV)	: 3.6mcd.

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

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	1.3	3.6	3.9	mcd	IF = 20mA
Viewing Angle	20 1/2	-	120	-	degrees	1F - 2011A
Peak Emission Wavelength	• p	-	635	-		-
Dominant Wavelength	• 10	-	625	-	nm	-
Spectral Line Half-Width	Δλ	-	40	-		-
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	-

RoHS Compliant

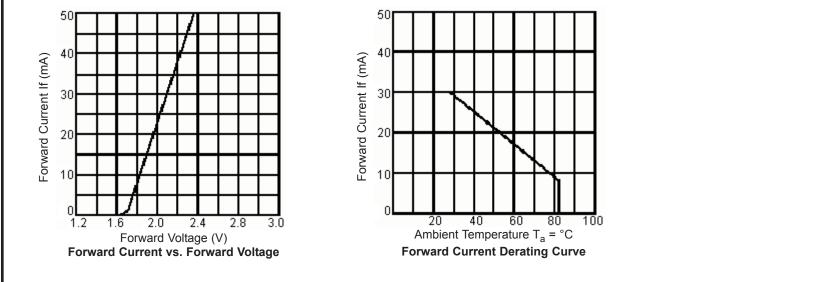
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or restrict the Group's liability for death or personal injury resulting from its negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Farnell plc 2008.		G.Cook	11/06/08	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 1 O)F 4

multicomp	PART NO.		REVISIONS							
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	А	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

Orange (GaAsP/CaP) λ P = 635nm)



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	MCL453AD	-	A	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/
Orange (GaAsP/CaP) λl	0 = 635nm									
Orange (GaASF/CaF) M	= 655mm)									
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Forward Current (mA) T										
Luminous Intensity vs. For	ward Current Luminous Intensit	/ vs. Ambi	ent T	emperature						
Blue Blue GaN InGal	Blue Green Green Yello N InGaN GaP GaAsF	w Or /GaP GaA	ange «PíGa	Super Red Bright Red P GaAlAs GaP						
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	MCL453AD	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	Α	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08			

Part Number Table

Description	Part Number
LED, 2mmX5mm, 120°, Orange	MCL453AD

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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	UNLESS OTHERWISE	Geetha	27/05/08	2.0mm x 5.0mm Rectangular LED Lamp - Orang					
	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE		REV	
	DIMENSIONS ARE FOR REFERENCE	Suresh	27/05/08		M10001127			A	
	PURPOSES ONLY.	APPROVED BY:	DATE:			L			
		G.Cook	11/06/08	SCALE: NTS	U.O.M.: mm (Inches)		SHEET: 4 C	DF 4	