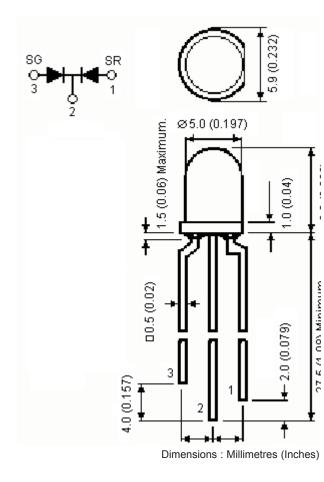
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🐼 multicomp		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	А	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09



#### **Specifications:**

- Dice material Emitted colour Lens colour Peak wavelength Viewing angle Luminous intensity (IV)
- : Super red/green. : White diffused. : 660/568nm.

: AlAGas/GaP.

- : 45 degrees.
- IV) : 50/15mcd.

# Electrical/Optical Characteristics at T<sub>a</sub> = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	8/7	16/15	25/22	mcd	IF = 20mA
Viewing Angle	20 1/2	-	45	-	degrees	11° – 2011A
Peak Emission Wavelength	• p	-	635/568	-		-
Dominant Wavelength	• 10	-	625/570	-	nm	-
Spectral Line Half-Width	Δλ	-	45/30	-		-
Forward Voltage	VF	1.6/1.7	2.0/2.1	2.6/2.6	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

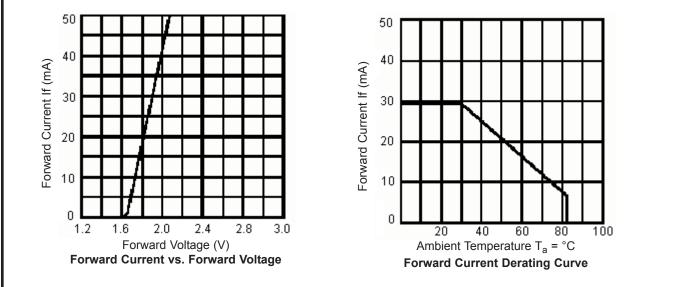
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information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change with-		Ramya	14/10/09	] 5.0mm M	- HI Red/Gr	en		
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	MCL059PURGW	-	Α	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09		

# 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

### Super Red (GaAlAs) $\lambda P$ = 660nm)



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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 pic 2009.		Farnell	28/10/09	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 2 OF	F 5

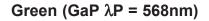
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🐼 multicomp	PART NO.	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL059PURGW	-	Α	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09
Super Red (GaAlAs) $\lambda P$	= 660nm)									
4.0 3.0 2.0 1.0 0 10 20 30 Forward Current (mA) T <sub>a</sub> Luminous Intensity vs. Forw	/ unbiolite romp	perature	T <sub>a</sub> = °C	70 Prature						
Blue Blue Blue InGaN 1.0 0.5	Blue Greeen Green GaP GaAsP/G			Super Red Bright Red GaAlAs GaP						
	Wavelength λ (nm) Relative Intensity vs. Wave									
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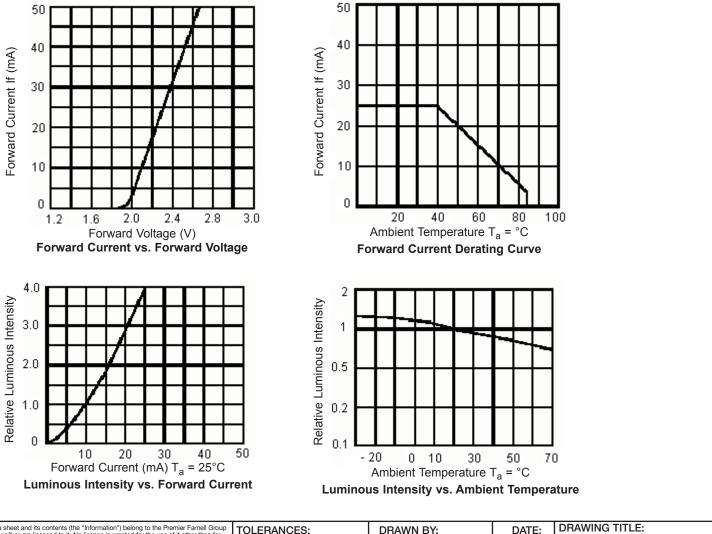
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Ramya	14/10/09	]	5.0m	m M	lulti-colour LED L	.amp	- HI Re	d/G	ire	en
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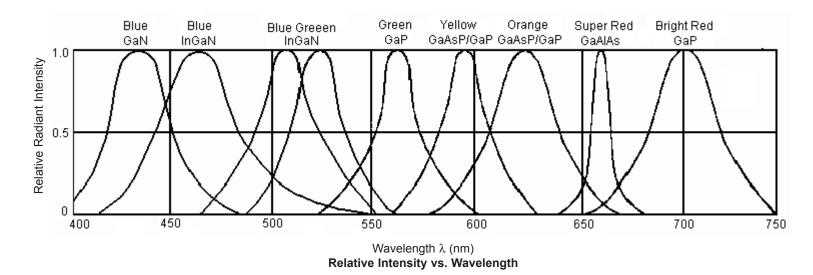
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	MCL059PURGW	-	А	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09			





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#### Part Number Table

	Description	Part Number
ſ	LED, 3mm, Orange/Green	MCL059PURGW

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE PURPOSES ONLY.	Ramya	14/10/09	5.0mm Multi-colour LED Lamp - HI Red/Green			
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		Sridhar	14/10/09	A		52937_1581197_DWG	A
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		Farnell	28/10/09	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 5 OF	F 5