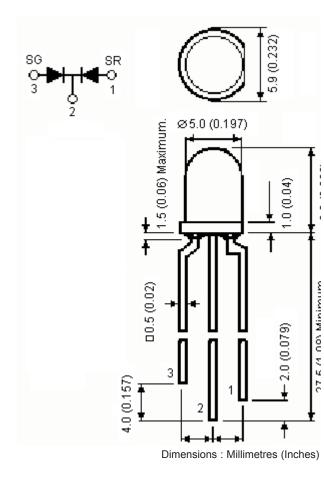
	PART NO.			REVISIONS						
🐼 multicomp		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
		-	А	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09



#### **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

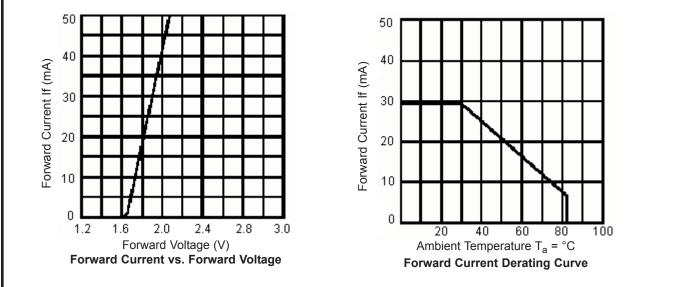
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out notice and replaces all data sheets previously supplied. The information supplied is believed to be accurate but the Group assumes no responsibility for its accuracy or completeness, any error in or omission from it or for any use made of it. Users of this	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECT	FRONIC 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	Sridhar	14/10/09		M10002396	52937	1581197 DWG	A
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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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our 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	Sridhar	14/10/09		M10002396	52937 1581197 DWG	Α
childed Edubility for loop of damage food any formany fordation of	PURPOSES ONLY.	APPROVED BY:	DATE:				
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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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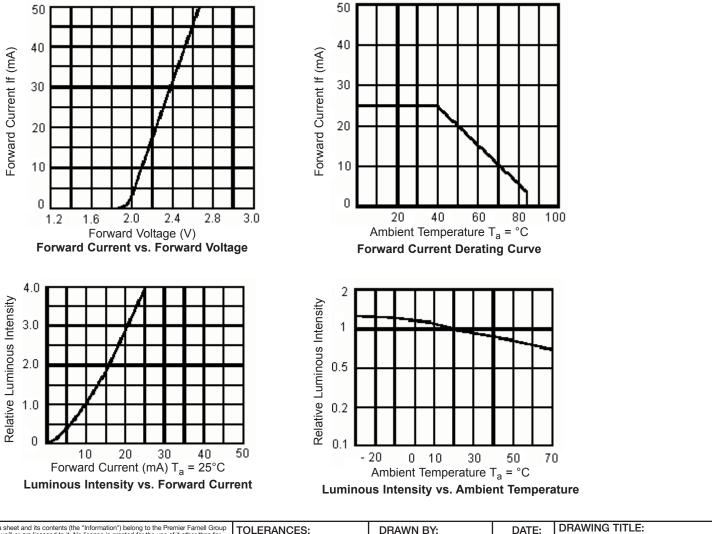
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Ramya	14/10/09	]	5.0m	m M	lulti-colour LED L	.amp	- HI Re	d/G	ire	en
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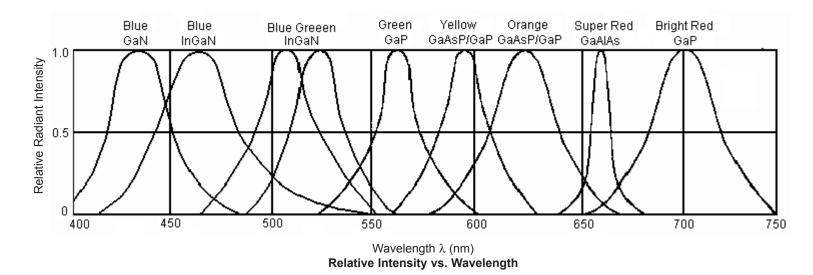
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multicomp	E		REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
	MCL059PURGW	-	А	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09			





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•		-	А	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09			



#### 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			
		CHECKED BY:	DATE:	SIZE DWG NO.	VI10002206	ELECTRONIC FILE	REV
		Sridhar	14/10/09	A		52937_1581197_DWG	A
		APPROVED BY:	DATE:				
		Farnell	28/10/09	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 5 OF	F 5