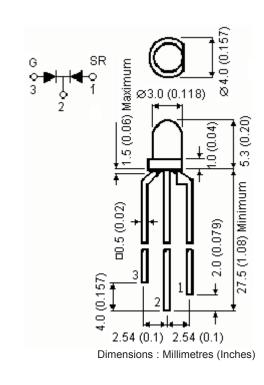
multicomp	PART NO.		REVISIONS										
	L F	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08			

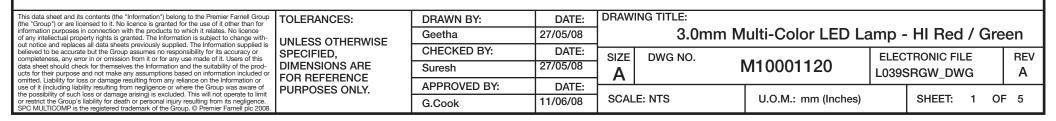


Specifications:

Dice material: AlAGas/GaP.Emitted color: Super red/green.Lens color: White diffused.Peak wavelength: 660/568nm.Viewing angle: 76 degrees.Luminous intensity (IV): 30/10mcd.

Electrical/Optical Characteristics at T_a = 25°C

Parameter	Symbol	Minimum	Typical	Maximum	Unit	Test
Luminous Intensity	IV	18/6	30/10	50/18	mcd	IF = 20mA
Viewing Angle	20 1/2	-	76	-	degrees	IF - 2011A
Peak Emission Wavelength	• p	-	660/568	-		-
Dominant Wavelength	• •	-	643/570	-	nm	-
Spectral Line Half-Width	Δλ	-	20/30	-		-
Forward Voltage	VF	1.5/1.7	1.8/2.1	2.5/2.6	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	-



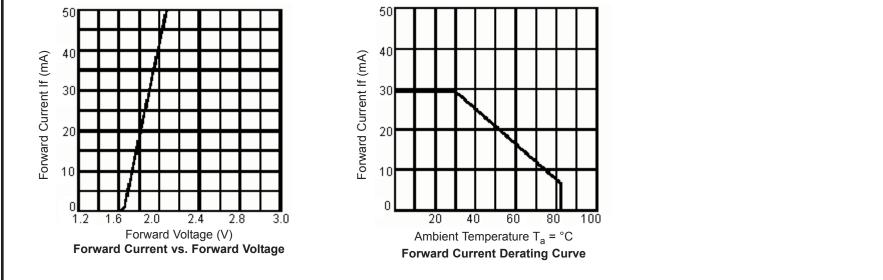


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		-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08

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

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

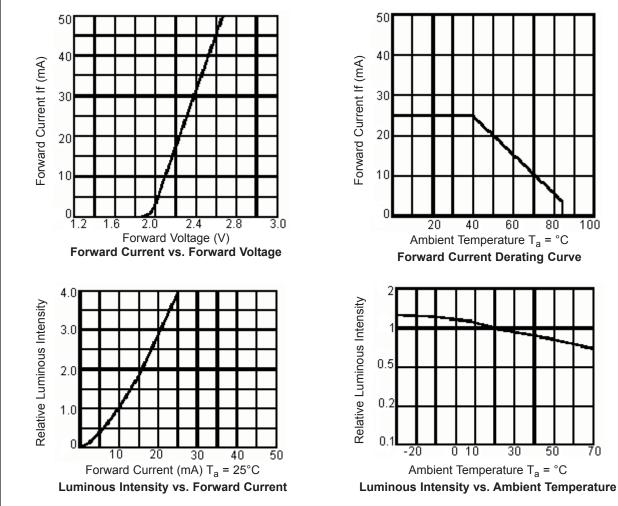


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	DIMENSIONS ARE	Suresh	27/05/08		M10001120	L039SRGW DWG	Α			
childed Elability for loce of damage redating formality for any formation and	PURPOSES ONLY.	APPROVED BY:	DATE:							
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10 20 30 40 Forward Current (mA) T _a = 25°C Luminous Intensity vs. Forward Current Blue Blue GaN InGaN		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL039SRGW	-	A	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08
Aluminous Intensity vs. Forward Blue Blue	Ambient Temp	Ora aP GaAs	ange I S sP/GaP (TO rature Super Red SaAlAs GaP GaP TO TO TO TO TO TO TO TO TO TO	750					
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	PART NO.		REVISIONS										
	F F	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
		-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08			

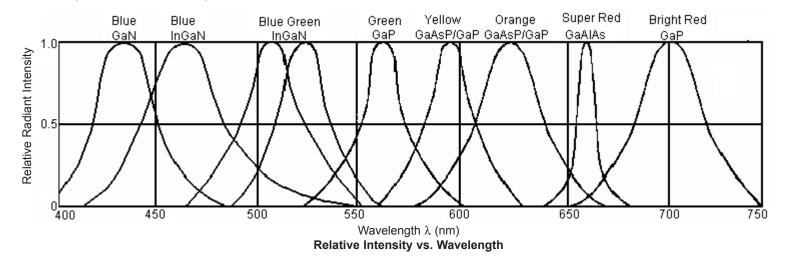
Green (GaP λ P = 568nm)



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		CHECKED BY:	DATE:	SIZE DWG NO.	EL		RONIC 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		M10001120	L039SRGW DWG		A		
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	PART NO.	REVISIONS										
	MCL039SRGW	ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
		-	А	RELEASED	Geetha	27/5/08	Suresh	27/5/08	G. C	11/6/08		

Green (GaP λ P = 568nm)



Part Number Table

Description	Part Number
LED, 3mm, HI-Red/Green	MCL039SRGW

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

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	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE	Geetha	27/05/08	3.0mm Multi-Color LED Lamp - HI Red / Gree						
		CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV			
		Suresh	27/05/08		V10001120	L039SRGW DWG	A			
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