	PART NO.		REVISI				1		
multicomp			_	DESCRIPTION				DATE	APPRVD
	MCL056PURGW	- /	A RE	ELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell
wnw		red/green. diffused. 58nm. grees.				1		- C C	HS mpliant
(0.3 0.0 V	Electrical/Optical Charac	teristics	at T _a = 25°C						
(0.06) Maxim 2) 10 (0.05) Maxim um 1.0 (0.04) 8.6 (0.33)	Parameter	Symbol		Typical	Maximum		Jnit	-	Test
1.5 (0.06) Maximum (0.02) haximum inimum 1.0 (0.04) hinimum 8.6 (0.339)	Luminous Intensity	IV	25/7	50/15	70/24	r	ncd		Test = 20mA
1.5 (0.02) 1.5 (0.02) 1.5 (0.02) 1.1 (0	Luminous Intensity Viewing Angle	IV 2θ 1/2	- 25/7	50/15 45	70/24	r			
1.5 (0.05) h 0.5 (0.02) 1 1.5 (0.02) 1 0.04) Minimum 1.0 (0.04) Minimum 8.6	Luminous Intensity Viewing Angle Peak Emission Wavelength	IV 2θ 1/2 • p	25/7	50/15 45 660/568		r de	ncd grees		= 20mA -
7.5 (0.06) Maximur 1.5 (0.02) Maximur 0.02) Maximur 1.0 (0.04) Minimum 26.4 (0.04) Minimum 8.6 (0.339)	Luminous Intensity Viewing Angle Peak Emission Wavelength Dominant Wavelength	IV 20 1/2 p	- 25/7	50/15 45 660/568 643/570	70/24	r de	ncd		
26.4 (0.04) Min	Luminous Intensity Viewing Angle Peak Emission Wavelength Dominant Wavelength Spectral Line Half-Width	IV 2θ 1/2 p 0 Δλ	25/7 - - - -	50/15 45 660/568 643/570 20/30	70/24 - - - -	de	ncd grees nm	- IF =	= 20mA - - -
4 (90.0) 2 (0.0) 4 (90.0) 2 (0.0) 4 (90.0) 2 (0.0) 4 (90.0) 4 (90.0) 4 (90.0) 4 (90.0) 4 (90.0) 2 (90.0) 4 (90.	Luminous Intensity Viewing Angle Peak Emission Wavelength Dominant Wavelength Spectral Line Half-Width Forward Voltage	IV 2θ 1/2 p D Δλ VF	25/7 - - - - 1.5/1.7	50/15 45 660/568 643/570 20/30 1.8/2.1	70/24 - - - - 2.5/2.6	de	ncd grees nm V	- IF =	= 20mA -
26.4 (0.04) Min	Luminous Intensity Viewing Angle Peak Emission Wavelength Dominant Wavelength Spectral Line Half-Width Forward Voltage Power Dissipation	IV 2θ 1/2 p 0 Δλ	25/7 - - - -	50/15 45 660/568 643/570 20/30	70/24 - - - -	de	ncd grees nm	- IF =	= 20mA - - -
	Luminous Intensity Viewing Angle Peak Emission Wavelength Dominant Wavelength Spectral Line Half-Width Forward Voltage	IV 2θ 1/2 p D Δλ VF	25/7 - - - - 1.5/1.7 -	50/15 45 660/568 643/570 20/30 1.8/2.1	70/24 - - - - 2.5/2.6	de	ncd grees nm V	- IF =	= 20mA - - -

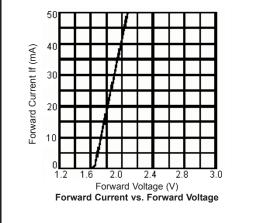
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Information purposes in connection with the products to which it relates. No licence of any intellectual property rights is granted. The Information is subject to change with- out notice and replaces all data sheets previously supplied. The Information supplied is believed to be accurate but the forcing assumes no responsibility for its accuracy or data sheet should check for themselves the Information audit the subability of the prod- ucts for their purpose and not make any assumptions based on information included or the support of the substantian of the Information and the subability of the prod- ucts for their purpose and not make any assumptions based on information included or the substantian included or the substantian of the substantian included or the substantian included or the substantian included or the substantian included or the substantian of the substantian included or the substantian included or the substantian included or the substantian of the substantian of the substantian included or the substantian in	UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE FOR REFERENCE	Ramya	14/10/09	5.0mm Bi-colour LED Lamp - HI Red/Gree					
		CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV		
		Sridhar	14/10/09		V10002393	52960 1581207 DWG	A		
	PURPOSES ONLY.	APPROVED BY:	DATE:						
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: 1 OF	F 5		

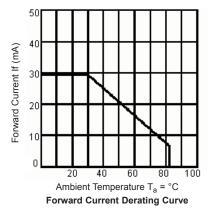
💿 multicomp	PART NO.			REVISIONS						
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL056PURGW	-	Α	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09

Absolute Maximum Ratings ($T_a = 25^{\circ}C$)

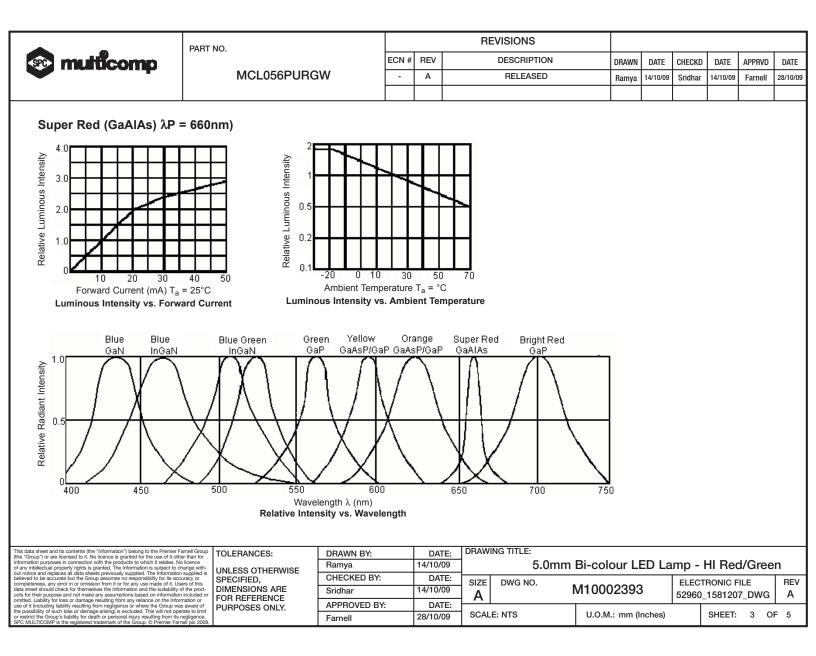
Reverse Voltage	5 Volt
Reverse Current	10μA (V _R = 5V)
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

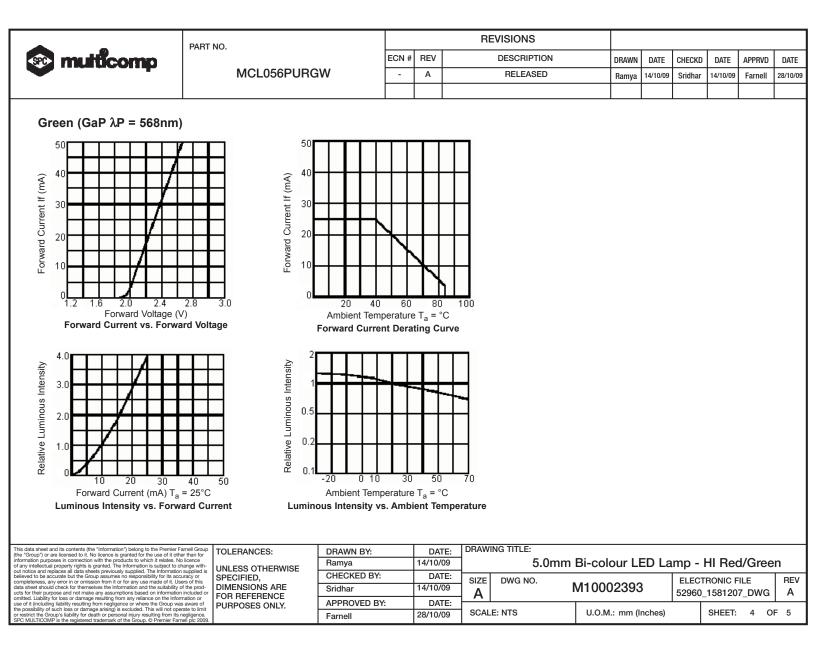
Super Red (GaAlAs) $\lambda P = 660$ nm)





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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	Ramya	14/10/09	5.0mm Bi-colour LED Lamp - HI Red/Green				
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.		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	Δ	M10002393	52960 1581207 DWG	A	
omitted. Liability for loss or damage resulting from any reliance on the Information or use of it (including liability resulting from negligence or where the Group was aware of the possibility of such loss or damage arisino) is excluded. This will not operate to limit	PURPOSES ONLY.	APPROVED BY:	DATE:				<u> </u>	
the possibility of such loss of damage ansing) is excluded. This will not operate to limit 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 2009.	its negligence.		28/10/09	SCALE: NTS	U.O.M.: mm (Inches)	SHEET: 2 O	F 5	





	PART NO.		REVISIONS									
🐼 muticomp			REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE		
	MCL056PURGW	-	A	RELEASED	Ramya	14/10/09	Sridhar	14/10/09	Farnell	28/10/09		
Green (GaP λP = 568nm)												
Blue Blue	Blue Green Green	Yellow Ora	ange	Super Red Bright Red								
GaN InGaN	InGaN GaP Ga	ASP/GaP Ga/	AsP/GaP	GaAlAs GaP								
Relative Radiant Intensity					_							
		600	\sim		750							
400 450	Wavelength λ	(nm)		650 700	700							
	Relative Intensity vs	. Wavelength										
Part Number Table												
	B. (N. al.)											
Description	Part Number											
LED, 5mm, AC, HI-Red/Green	MCL056PURGW											
1												
							http://	/w.farnell.				
							-	/w.newark				
This data short and the exclusion (the Upfermation B hole).				DRAWING TITLE:			nup://ww	/w.cpc.co.	.uK			
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out notice and replaces all data sheets previously supplied. The Information believed to be accurate but the Group assumes no responsibility for its accurate out on or omission from it or for any use made of it. Use	upplied is vracy or sr of this SPECIFIED, CHECK	KED BY:	DATE:							REV		
data sheet should check for themselves the Information and the suitability o ucts for their purpose and not make any assumptions based on information	f the prod- included or DIMENSIONS ARE Sridhar		14/10/09		002393	3	52960_			A		
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or restrict the Group's liability for death or personal injury resulting from its n SPC MULTICOMP is the registered trademark of the Group. © Premier Farm	egligence. ell plc 2009. Farnell	1	20/10/09	0.						Ĩ		