•	PART NO.			REV								
multicomp		ECN #	REV	C	DESCRIPTION		DRAWN	DATE	CHECKD	DATE	APPRVD	DA
	MCL-S250AC	-	Α		RELEASED		Veena	27/5/08	Suresh	27/5/08	G. C	11/6
Cathode mark 1.6 LED Die		Specific Dice mate Emitted co Lens color Viewing ar Luminous	rial olor ngle intensity	: Ga. : Ora : Wa : 140 (IV) : 11n	ter clear.) degrees. ncd.	cs at T _a =	= 25°C		Sec.	Ro Co	HS mpliant	
			Paramete		Symbol	Minimum	Typical	Maxir	num	Unit	Te	est
	Resin PCB	Luminou	s Intensit	y	IV	5	11	1(6	mcd		
	 Recommended Soldering 	Viewing	Angle		20 1/2	-	140	-		degrees	IF = 2	20m
Soldering terminal	Patten for Reflow soldering	Peak Em	nission W	avelength	• p	-	635	-				-
		Dominant Wavelength		• 10	-	627	-		nm		-	
	++++1.5	Spectral	tral Line Half-Width	-Width	Δλ	-	45	-	-			-
Ť		Forward	Voltage		VF	1.6	2.0	2.	6	V	IF = 2	20m
5.2 -		Power D	issipatior		Pd	-	-	8	C	-		-
	 ← 1.5 → ← 2.0 → ← 1.5 → 	Peak For (Duty 1/1			IF (Peak)	-	-	10	0	-		-
	 The polarity is reversed on the SR series Unit:mm Tolerance : +/-0.1 	Recomm Current	ended O	perating	IF (Rec)	-	20	-		mA		-
	Dimensions : Millimetres											

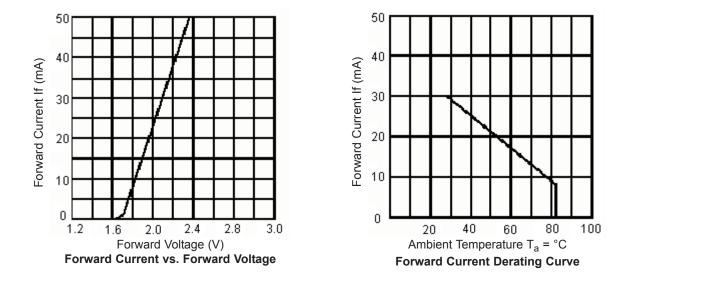
This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for	TOLERANCES:	DRAWN BY:	DATE:	DRAWING TITLE:				
information purposes in connection with the products to which it relates. 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	UNLESS OTHERWISE	Veena	27/05/08		1206 SMD LED	- Ora	ange	
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	RONIC FILE	REV
data sheet should check for themselves the Information and the suitability of the prod-	DIMENSIONS ARE FOR REFERENCE	Suresh	27/05/08	Δ	M10001126	L-S250AC 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 arising) is excluded. This will not operate to limit	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 Famell plc 2008.		G.Cook	11/06/08	SCALE: NTS	U.O.M.: mm		SHEET: 1	OF 4

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

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

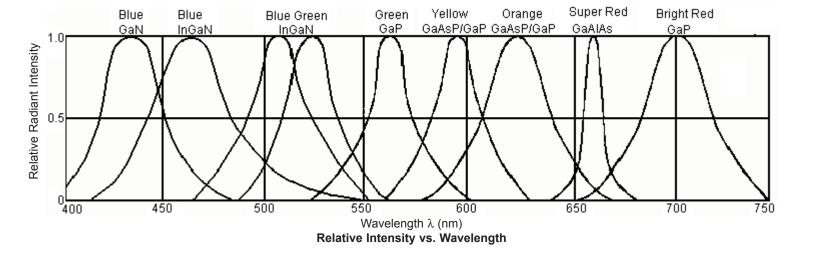
Reverse Voltage	5 Volt
Reverse Current	10μA (V _R = 5V)
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature Range 1.6mm (1/16 inch) from body	260°C for 5 Seconds

Orange (GaAsP/CaP λ P = 635nm)



This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for	TOLERANCES:	DRAWN BY:	DATE:	DRAWING TITLE:			
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	Veena	27/05/08		1206 SMD LED	- Orange	
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	Suresh	27/05/08		M10001126	L-S250AC DWG	Α
childed Edulity for loco of during formally formation internation of	PURPOSES ONLY.	APPROVED BY:	DATE:				
or restrict the Group's liability for death or personal injury resulting from this negligence. SPC MULTICOMP is the registered trademark of the Group. © Premier Famell plc 2008.		G.Cook	11/06/08	SCALE: NTS	U.O.M.: mm	SHEET: 2 O	DF 4

	PART NO.			REVISIONS						
🔊 multicomp 🍐		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL-S250AC	-	A	RELEASED	Veena	27/5/08	Suresh	27/5/08	G. C	11/6/
Orange (GaAsP/CaP λ P =	635nm)									
3.0 2.0 1.0	Belative Luminous Intensity	╾┝╾╂╴	┶							
			ΙT							
2.0										
		\rightarrow	$\downarrow \downarrow$							
eating										
	0.1			70						
Forward Current (mA) $T_a = 23$	20 0 1									
Luminous Intensity vs. Forward	Ambient Tem									



This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for information purposes in connection with the products to which it relates. No licence DRAWING TITLE: TOLERANCES: DRAWN BY: DATE: 27/05/08 1206 SMD LED - Orange Veena 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 UNLESS OTHERWISE CHECKED BY: DATE: 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, ELECTRONIC FILE SIZE DWG NO. REV M10001126 DIMENSIONS ARE 27/05/08 data sheet should check for themselves the Information and the suitability of the prod-Suresh Α L-S250AC_DWG Α ucts for their purpose and not make any assumptions based on information included or omitted. Liability for loss or damage resulting from any reliance on the Information or FOR REFERENCE United, Labinity including liability desluting resulting from negligence or where the Group was aware of the possibility of such loss or damage arising) 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 Famel plc 2008 APPROVED BY: DATE: PURPOSES ONLY. SHEET: 3 OF 4 SCALE: NTS U.O.M.: mm 11/06/08 G.Cook

	PART NO.		REVISIONS										
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE			
	MCL-S250AC	-	А	RELEASED	Veena	27/5/08	Suresh	27/5/08	G. C	11/6/08			

Part Number Table

Description	Part Number
LED, SMD, 1206, Orange	MCL-S250AC

http://www.farnell.com

http://www.newark.com

http://www.cpc.co.uk

This data sheet and its contents (the "Information") belong to the Premier Farnell Group (the "Group") or are licensed to it. No licence is granted for the use of it other than for	TOLERANCES:	DRAWN BY:	DATE:	DRAWING TITLE:				
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	Veena	27/05/08		1206 SMD LED	- Ora	ange	
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	d to be accurate but the Group assumes no responsibility for its accuracy or teness, any error in or omission from it or for any use made of it. Users of this	CHECKED BY:	DATE:	SIZE DWG NO.		ELECT	ELECTRONIC FILE	
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	Suresh	27/05/08	Δ	M10001126	L-S250AC DWG		Α
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 arising is excluded. This will not operate to limit	PURPOSES ONLY.	APPROVED BY:	DATE:					
e possibility of such loss of damage ansing is excluded. This will not operate to limit restrict the Group's liability for death or personal injury resulting from its negligence. PC MULTICOMP is the registered trademark of the Group. © Premier Fameli pic 2008.		G.Cook	11/06/08	SCALE: NTS	U.O.M.: mm		SHEET: 4 0	OF 4