

Soldering t<u>erminal</u>

Cathode

line

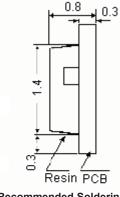
±0.15

₫

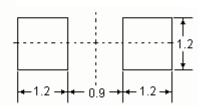
0.4 ±0.15

**Specifications:** 

<del>.</del>



 Recommended Patten for Reflow Soldering



• The polarity is reversed on the SR, UR series • Tolerance : ±0.1

Dimensions : Millimetres

: InGaN
: Super blue
: Water clear
: 470 nm
: 140 degrees
: 55 mcd

	Luminous Intensity	IV	
	Viewing Angle	20 1/2	
	Peak Emission Wavelength	λΡ	
-	Dominant Wavelength	λD	
└┯┘	Spectral Line Half-Width	Δλ	
n PCB	Forward Voltage	VF	
I Soldering	Power Dissipation	Pd	

**Parameter** 

	-				
Luminous Intensity	IV	45	55	75	
Viewing Angle	20 1/2	-	140	-	d

Symbol

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

Luminous Intensity	IV	45	55	75	mcd	IF = 20 mA
Viewing Angle	20 1/2	-	140	-	degrees	1F - 20 MA
Peak Emission Wavelength	λΡ	-	470	-		-
Dominant Wavelength	λD	-	472	-	nm	-
Spectral Line Half-Width	Δλ	-	45	-		-
Forward Voltage	VF	2.8	3.5	4	V	IF = 20 mA
Power Dissipation	Pd	-	-	85	-	-
Peak Forward Current Duty 1 / 10 at 1 KHz)	IF (Peak)	-	-	100	-	-
Recommended Operating Current	IF (Rec)	-	20	-	mA	-

Minimum

Typical

Maximum

Unit

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

Reverse Voltage	5 V
Reverse Current	10 µA (V <sub>R</sub> = 5 V)
Electrostatic Discharge (ESD)	200 V
Operating Temperature Range	-40°C to 85°C
Storage Temperature Range	-40°C to 100°C
Lead Soldering Temperature	260°C for 5 Seconds



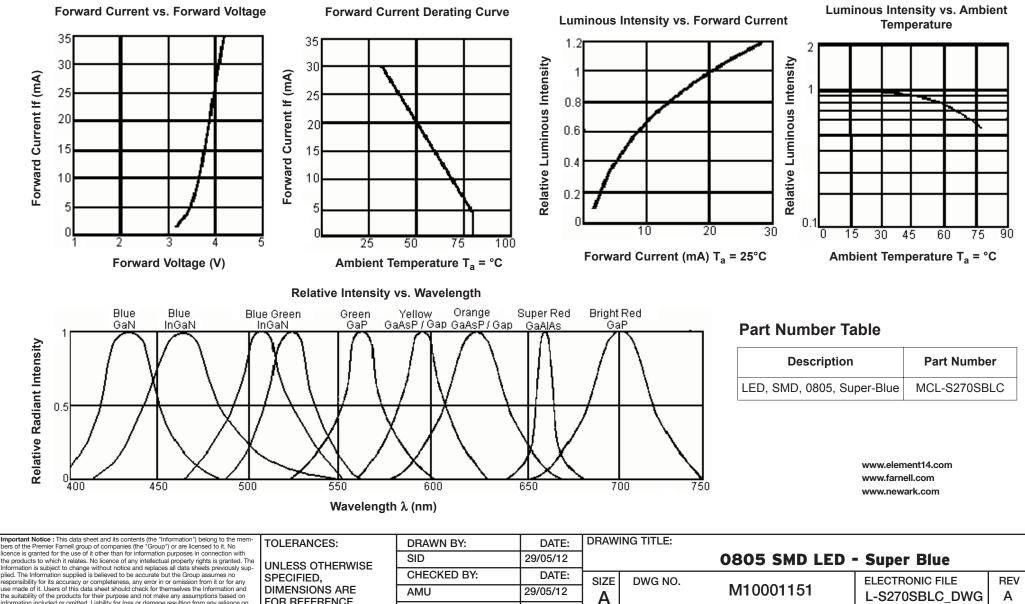
DATE

Test

Important Notice : This data sheet and its contents (the "Information") belong to the mem- bers of the Premier Farnell group of companies (the "Group") or are licensed to it. No	TOLERANCES:	DRAWN BY:	DATE:	DRAWING TITLE:			
licence is granted for the use of it other than for 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 without notice and replaces all data sheets previously sup-	UNLESS OTHERWISE	SID	29/05/12	]	0805 SMD LED -	Super Blue	
	SPECIFIED,	CHECKED BY:	DATE:	SIZE DWG NO.		ELECTRONIC FILE	REV
use made of it. Users of this data sheet should check for themselves the Information and the suitability of the products for their purpose and not make any assumptions based on	DIMENSIONS ARE	AMU	29/05/12	Δ	M10001151	L-S270SBLC DWG	Α
information included or 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 oper-	PURPOSES ONLY.	APPROVED BY:	DATE:		1		
ate to limit or restrict the Group's liability for death or personal injury resulting firm its negli- gence. Multicomp is the registered trademark of the Group. © Premier Farnell plc 2012.			12/06/12	SCALE: NTS	U.O.M.: mm	SHEET: 1 O	0F 2

multicomp	PART NO.	REVISIONS								
		ECN #	REV	DESCRIPTION	DRAWN	DATE	CHECKD	DATE	APPRVD	DATE
	MCL-S270SBLC	-	А	RELEASED	SID	29/9/12	AMU	29/5/12		12/6/12





 Use made of it. Users of this data sets fould check for themselves the information and information included or omitted. Liability for loss or damage resulting from any reliance on the formation or use of it (notuching liability resulting from regifyence 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 is lability for death or personal injury resulting from its negligence or where the Group.
 AMU
 29/05/12
 A
 MITOUUTIDII
 L-S270SBLC\_DWG
 A

 Approved by:
 DATE:
 DATE:
 VIOUNTISI
 U.O.M.: mm
 SHEET:
 2
 OF
 2