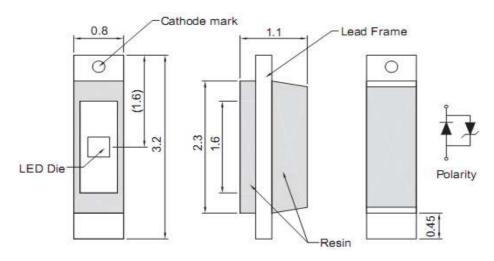


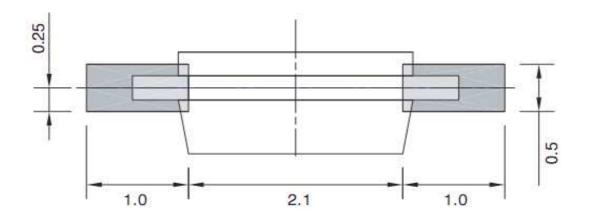


Applications

Technical Drawing



Recommended Soldering Pattern



Notes	All dimensions	s in mm tolerar ss otherwise n			SMT Top View LED Blue		
-				Part No	.: M11	L7001	
					Custome	er:	
DRW:	Wang	CHKD	Wung	MATL:	Chui	DATE	03.12.2009
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Absolute Maximum Ratings

Ta=25°C

Item	Symbol	InGaN	Unit
Power Dissipation	PD	117	mW
DC Forward Current	I _F	30	mA
Plused Forward Current	I _{FP} *	120	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{OP}	-30 to 80	°C
Storage Temperature	T _{ST}	-40 to 85	С°

* 0.1 msec pulse, 10% duty cycle

Electrcal / Optical Characteristics

I_F=20mA Ta=25°C

Ermitting Color		Blue					
Material	InGaN						
Forward Voltage	typ.	3.3	V _F				
Forward voltage	max.	3.9	V _F				
Wavelength	λD	470	nm				
•	λP	468	nm				
typ.	Δλ	40	nm				
Color Temperature	min.		K				
	max.		K				
Luminous Intensity *	min.	80	mcd				
Luminous intensity	typ.	180	mcd				
Reverse Current	max.		μA				
Viewing Angle	2Θ1/2	120					

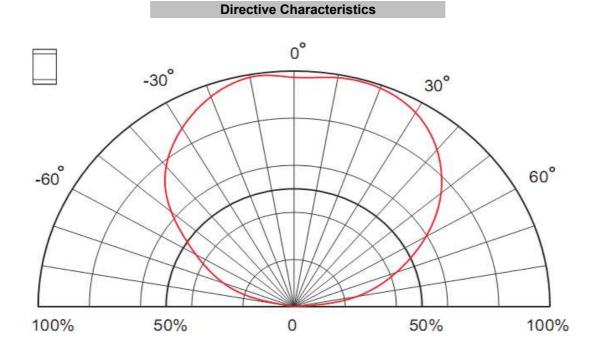
* Per NIST standards

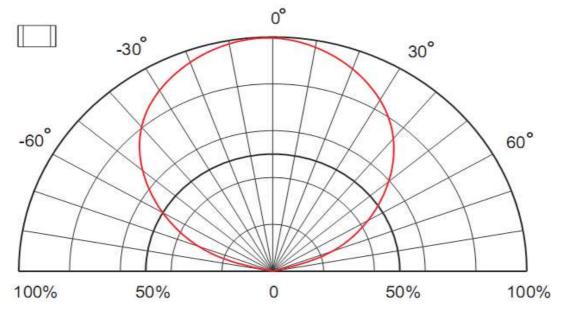
						IT Top View Li Blue	ED		
					Part No.: M11L7001				
					Custome	er:			
DRW:	Wang	CHKD	Wung	MATL:	Chui	DATE	03.12.2009		
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					SMT Top View LED Blue		
					Part No.: M11L7001		_7001
					Customer:		
DRW:	Wang	CHKD	Wung	MATL:	Chui	DATE	03.12.2009
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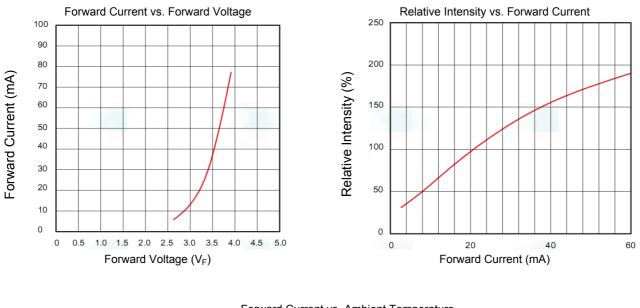
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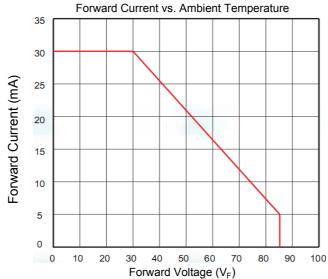
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Curvs





					SMT Top View LED Blue		
					Part No.: M11L7001		L7001
					Customer:		
DRW:	Wang	CHKD	Wung	MATL:	Chui	DATE	03.12.2009
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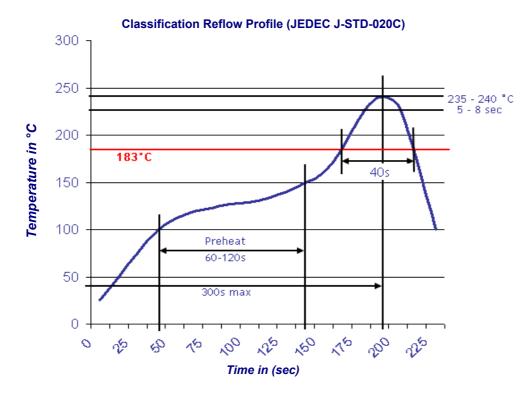
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Solder Condition

Lead Free Solder



		SMT Top View LED Blue					
		Part No.: M11L7001					
		Custome	er:				
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Wang

Ping

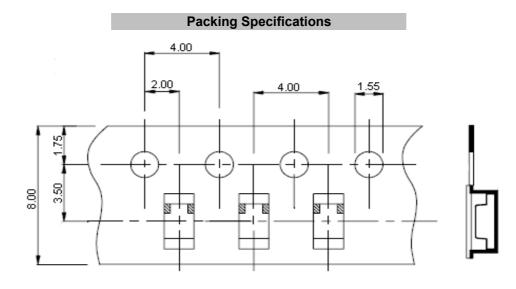
CHKD

DRW:

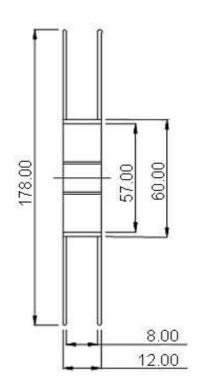
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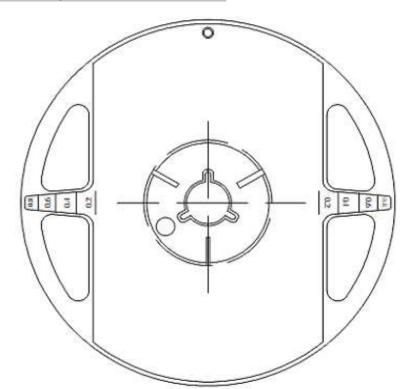






Reel Specifications





					SMT Top View LED Blue		
					Part No.: M11L7001		_7001
					Customer:		
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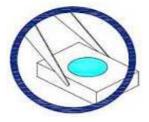




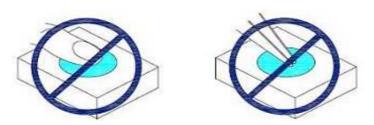
Handling Precautions

Compare to epoxy encapsulant that is hard and brittle, silicone is softer and flexible. Although ist characteristic significantly reduces thermal stress, it is more susceptible to damage by external mechanical force. As a result, special handling precautions need to be observed during assembly using silicone encapsulated LED products. Failure to comply might leads to damage and premature failure of th LED.

1. Handle the component along the side surfaces by using forceps or appropriate tools



2. Do not directly touch or handle the silicone lens surfance. It may damage the internal circuitry.



3. Do not stack together assembled PCBs containing exposed LEDs. Outside impact may scratch the silicone lens or damage the internal circuitry.



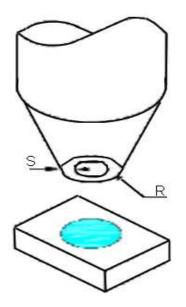
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					Part No.: M11L7001		_7001
					Customer:		
DRW:	Wang	CHKD	Wung	MATL:	Chui	DATE	03.12.2009
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- 4. The outer diameter of the TOP LED pickup nozzle should not exceed the size of the LED to prevent air leaks. The inner diameter of the nozzle should be as large as possible.
- 5. A pliable material is suggested for the nozzle tip to avoid scratching or damaging the LED surface during pickup.
- 6. The dimensions of the component must be accurately programmed in the pick-and-place machine to insure precise pickup and avoid damage during production.



	SMT Top View LED Blue						
	Part No.	.: M11	L7001				
	Custome	er:					
MATL:	Chui	DATE 03.12.2009					
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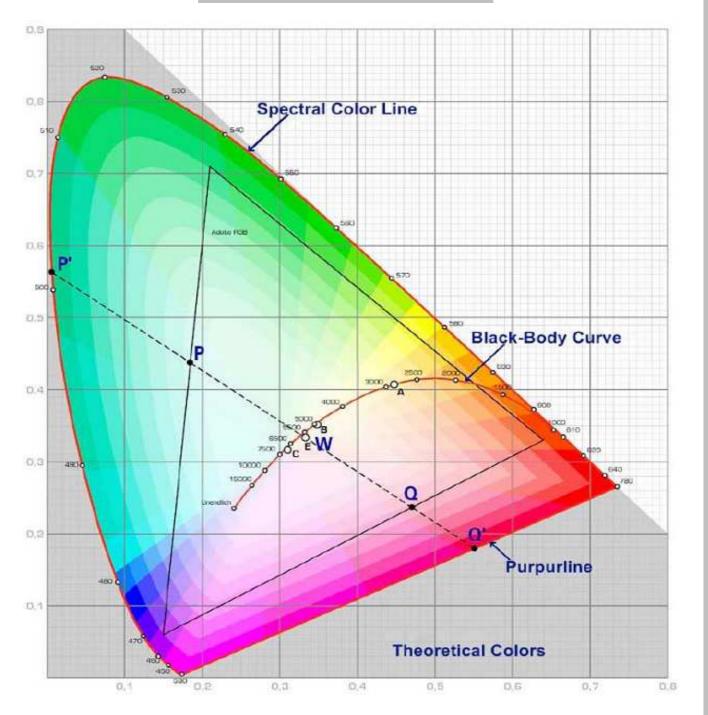
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Wung





Color table curve



					SN	IT Top View L Blue	.ED		
					Part No.: M11L7001				
					Custome	er:			
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