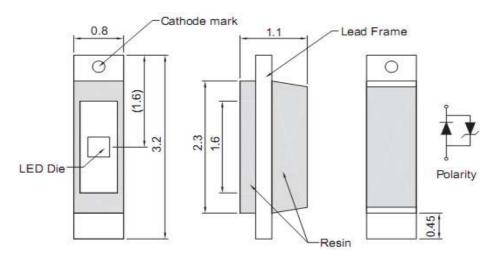


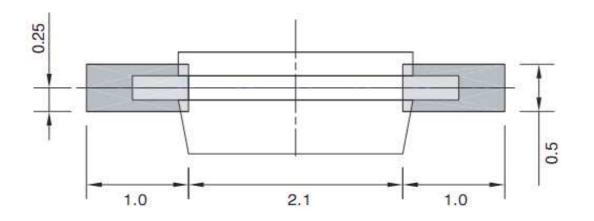


Applications

Technical Drawing



Recommended Soldering Pattern



Notes	: All dimensions ± 0.1mm unles		SN	IT Top View L Green	ED		
			Part No	.: M11I	L7002		
					Custome	er:	
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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

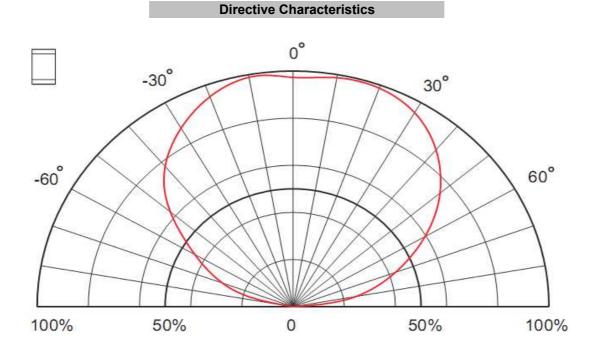
Ermitting Color	Green						
Material		InGaN					
Forward Voltage	typ.	3.3	V _F				
Forward Voltage	max.	3.9	V _F				
Wavelength	λD	527	nm				
	λP	520	nm				
typ.	Δλ	40	nm				
Color Temperature	min.		K				
	max.		K				
Luminous Intensity *	min.	150	mcd				
Lumnous intensity	typ.	300	mcd				
Reverse Current	max.		μA				
Viewing Angle	2Θ1/2	120					

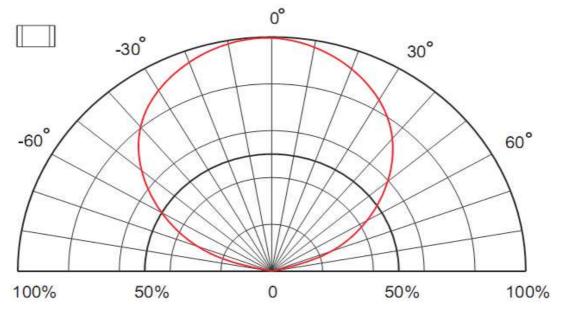
* Per NIST standards

					SMT Top View LED Green		
					Part No.: M11L7002		_7002
					Custome	er:	
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					SMT Top View LED Green		
					Part No.: M11L7002		L7002
					Custome	er:	
DRW:	Wang	CHKD	Wung	MATL:	Chui	DATE	03.12.2009
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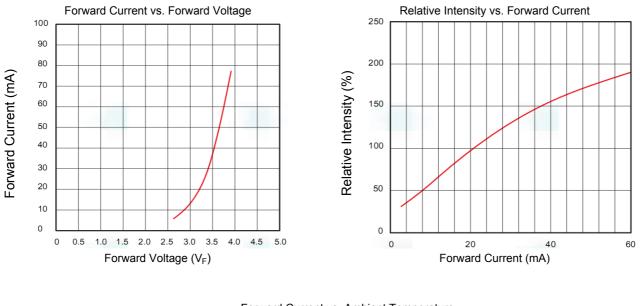
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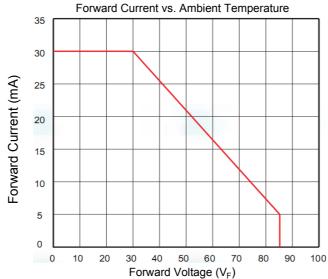
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Curvs





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					Part No.: M11L7002		L7002
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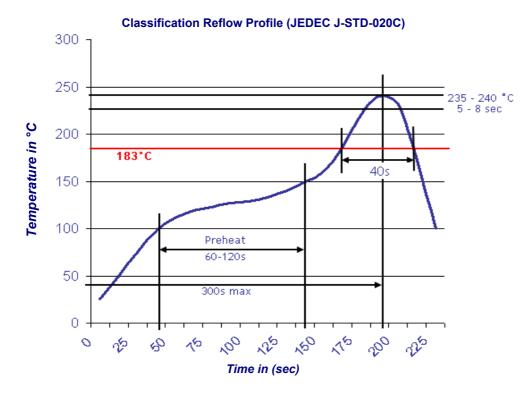
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Solder Condition

Lead Free Solder



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		Part No.	11L7002			
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Wang

Ping

CHKD

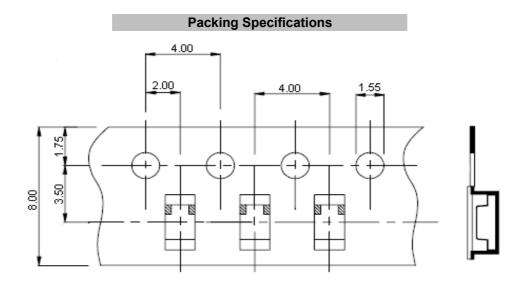
DRW:

APPD:

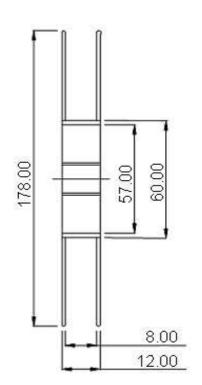
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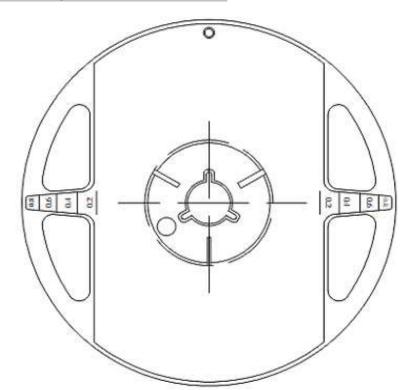






Reel Specifications





					SMT Top View LED Green		
					Part No.: M11L7002		7002
					Custome	er:	
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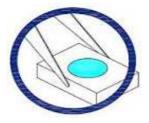




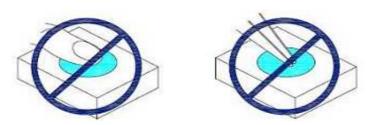
Handling Precautions

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.



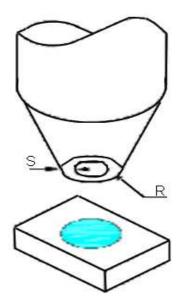
					SMT Top View LED Green		
					Part No.: M11L7002		_7002
					Custome	er:	
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- 4. The outer diameter of the TOP LED pickup nozzle should not exceed the size of the LED to prevent air leaks. The inner diameter of the nozzle should be as large as possible.
- 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.



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	Part No	.: M11I	_7002				
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CHKD

DRW:

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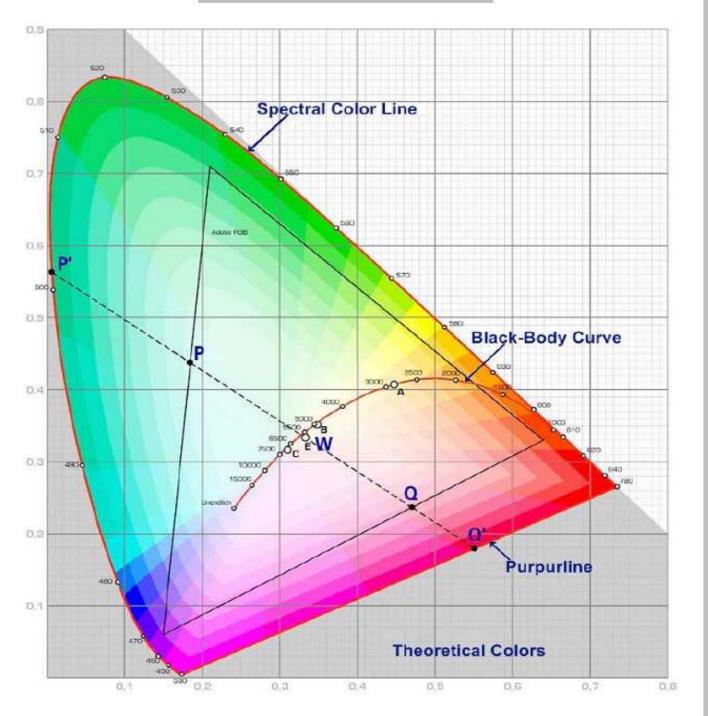
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Wung





Color table curve



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