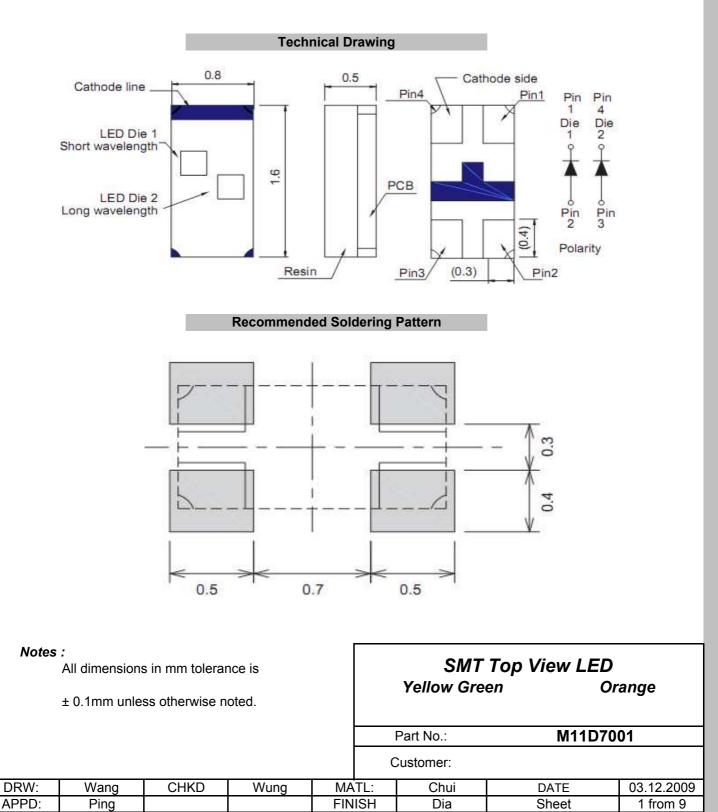




Applications



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Absolute Maximum Ratings

Ta=25°C

Item	Symbol	AllnGaP	Unit
Power Dissipation	P _D	72	mW
DC Forward Current	I _F	30	mA
Plused Forward Current	I _{FP} *	100	mA
Reverse Voltage	V _R	5	V
Operating Temperature	T _{OP}	-30 to 80	°C
Storage Temperature	T _{ST}	-40 to 85	°C

* 0.1 msec pulse, 10% duty cycle

Electrcal / Optical Characteristics

I_F=20mA Ta=25°C

Ermitting Color		Yellow Green	Orange			
Material		AllnGaP	AllnGaP			
Forward Voltage	typ.	2.0	1.9	V _F		
Forward voltage	max.	2.4	2.4	V _F		
Wavelength	λD	573	622	nm		
-	λP	574	636	nm		
typ.	Δλ	20	17	nm		
Color Temperature	min.			K		
Color remperature	max.			K		
Luminous Intensity *	min.	36	50	mcd		
Lummous intensity	typ.	90	120	mcd		
Reverse Current	max.			μA		
Viewing Angle	2Θ1/2					

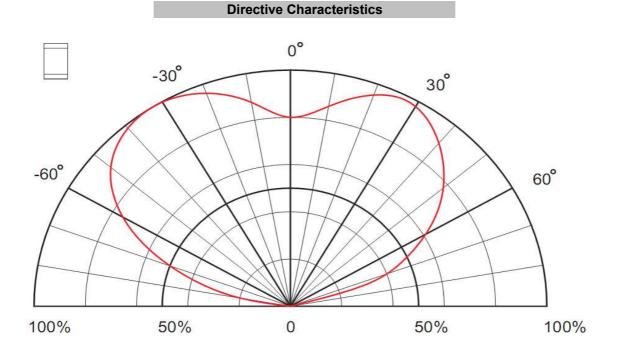
* Per NIST standards

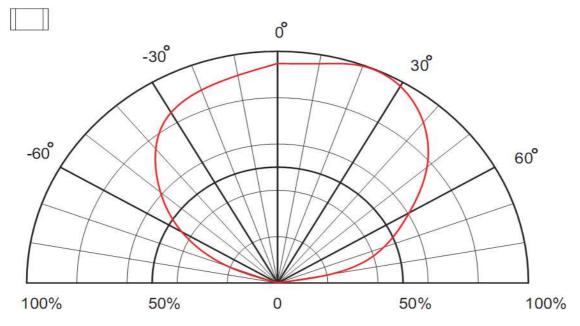
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				Yellow Green Orang			Orange					
					Part No.:	M110	07001					
				C	Customer:							
Wang	CHKD	Wung	MA	TL:	Chui	DATE	03.12.2009					
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DRW: APPD:









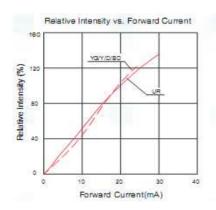
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						Part No.:	M11D70	001		
					C	Customer:				
DRW:	Wang	CHKD	Wung	MA	TL:	Chui	DATE	03.12.2009		
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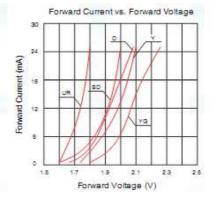
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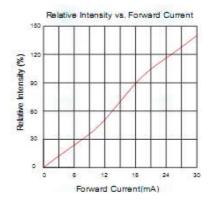


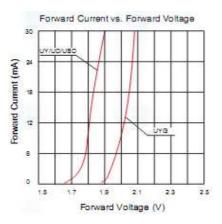


Curvs

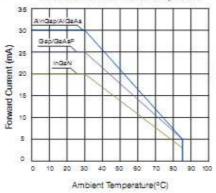












					SMT Top View LED						
					Yellow Green Orange						
						Part No.:	M11D7	001			
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0014		0111/5									
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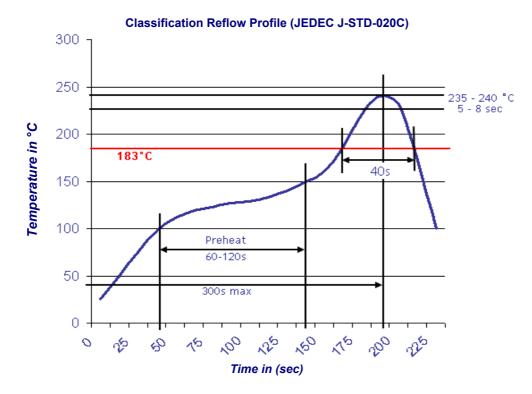
info@edcon-components.com email:





Solder Condition

Lead Free Solder

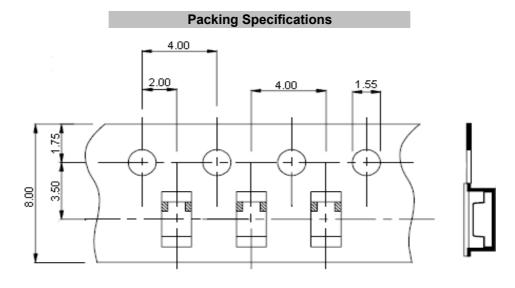


					SMT Top View LED Yellow Green Orange						
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						Part No.:	M11D7	001			
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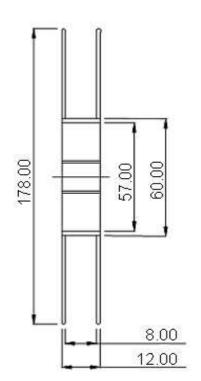
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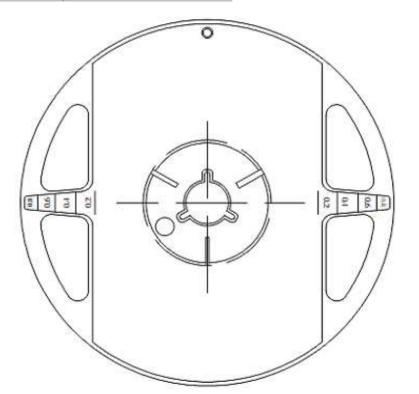






Reel Specifications





					Yellow Gre		Orange			
					Part No.:	M11D	7001			
					Customer:					
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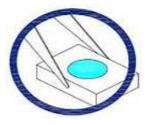




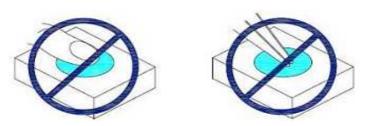
Handling Precautions

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.



		SMT Top View LED						
		Yellow Green Orange						
			Part No.:	M11D70	001			
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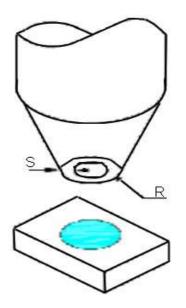
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- 4. The outer diameter of the TOP LED pickup nozzle should not exceed the size of the LED to prevent air leaks. The inner diameter of the nozzle should be as large as possible.
- 5. A pliable material is suggested for the nozzle tip to avoid scratching 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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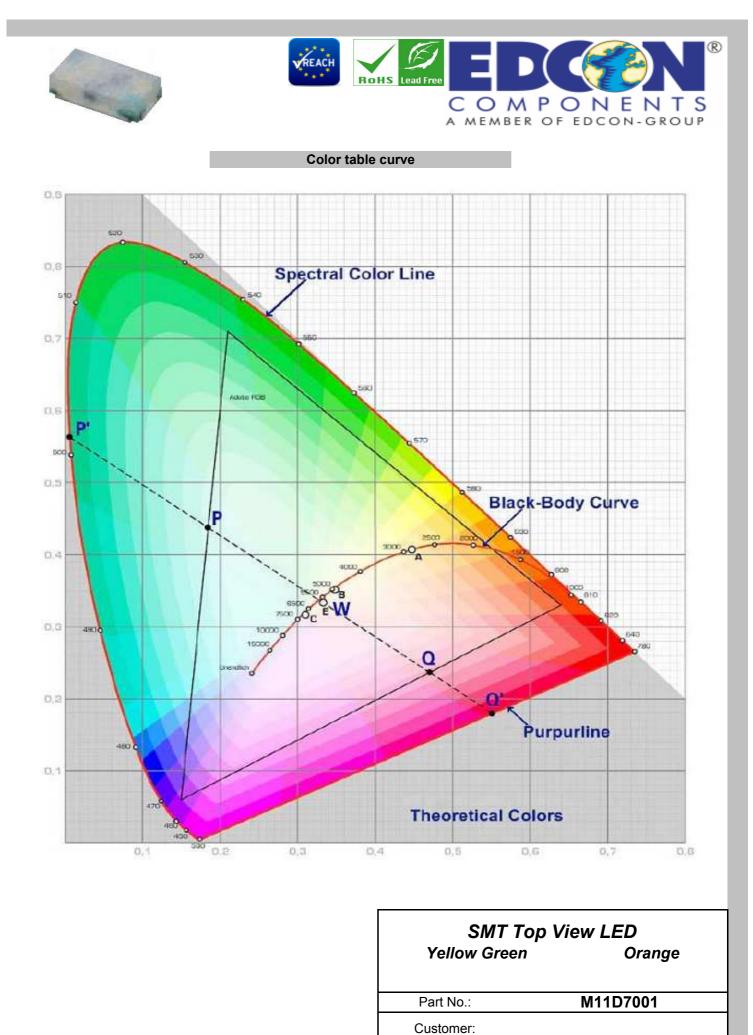
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