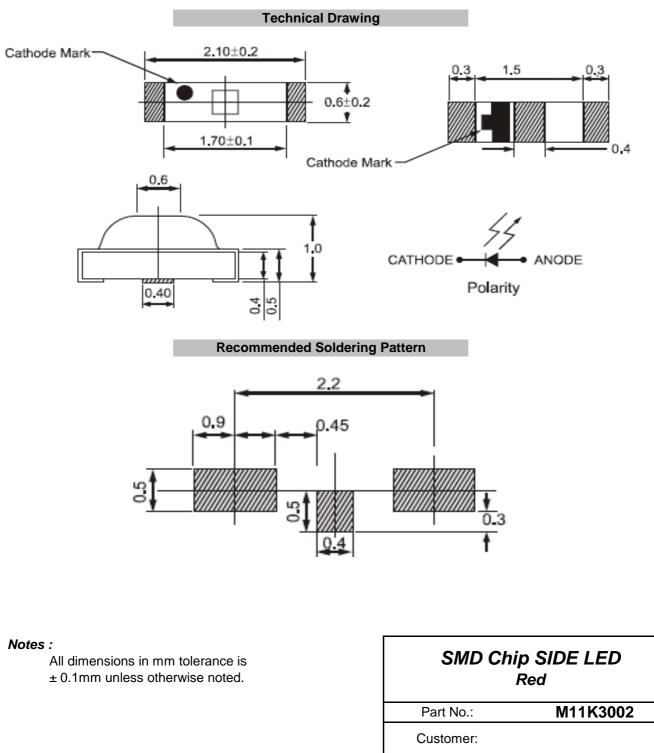




Applications

Interior automotive lighting

 Optical indicators
 Communication Products
 Backlighting
 Toys



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Absolute Maximum Ratings

Ta=25°C

Item	Symbol	GaAlAs / GaAs	Unit
Power Dissipation	P _D		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}	-25 to 80	°C
Storage Temperature	T _{ST}	-30 to 85	°C

* 0.1 msec pulse, 10% duty cycle

Electrcal / Optical Characteristics

I_F=20mA Ta=25°C

Ermitting Color		Red					
Material		GaAlAs / GaAs					
Forward Voltage	typ.	2.1	V _F				
r orward voltage	max.	2.6	V _F				
Wavelength	λD	630	nm				
-	λP	645	nm				
typ.	Δλ		nm				
Color Temperature	min.		K				
Color remperature	max.		K				
Luminous Intensity *	min.	28	mcd				
Luminous intensity	typ.	40	mcd				
Reverse Current	max.		μA				
Viewing Angle	201/2	130					

* Per NIST standards

					SM	D Chip SIDE L Red	.ED	
					Part No.	lo.: M11K3002		
					Custome	er:		
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Directive Characteristics

				SMD Chip SIDE LED Red Part No.: M11K3002			
				Part No.	.: IVI11	K3002	
				Custome	er:		
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Curvs

				SMD Chip SIDE LED Red			
				Part No.: M11K3002		K3002	
				Customer:			
Dong	CHKD	Chang	MATL:	Chui	DATE	05.12.2009	
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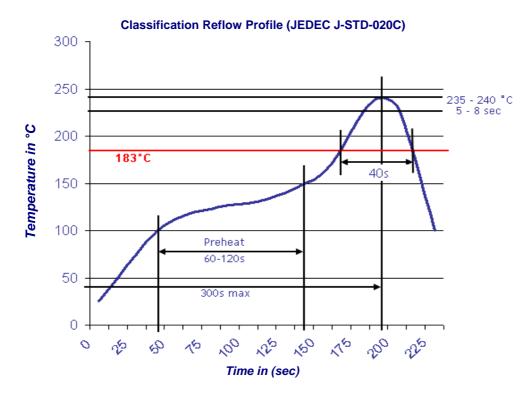
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Solder Condition

Lead Free Solder



	SMD Chip SIDE LED Red					
	Part No.	: M11k	(3002			
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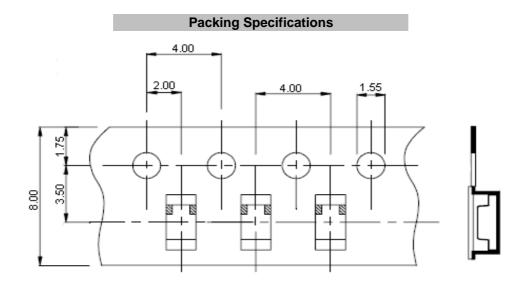
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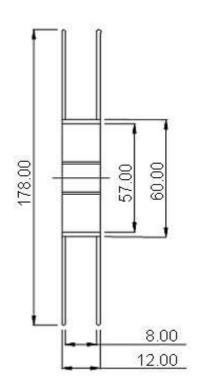
email: info@edcon-components.com

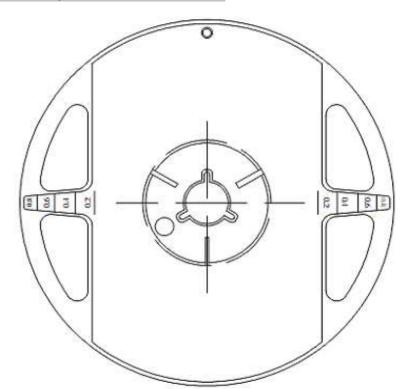






Reel Specifications





					SMD Chip SIDE LED Red		
					Part No.: M11K3002		(3002
					Custome	er:	
DRW:	Dong	CHKD	Chang	MATL:	Chui DATE 05.12		05.12.2009
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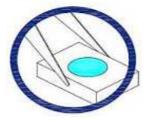




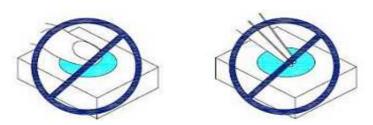
Handling Precautions

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.

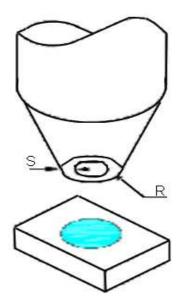


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					Part No.: M11K3002		<3002
					Custome	er:	
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- 4. The outer diameter of the TOP LED pickup nozzle should not exceed the size of the LED to prevent air leaks. The inner diameter of the nozzle 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.



SMD Chip SIDE LED Red					
		Part No.	: M11	K3002	
		Custome	er:		
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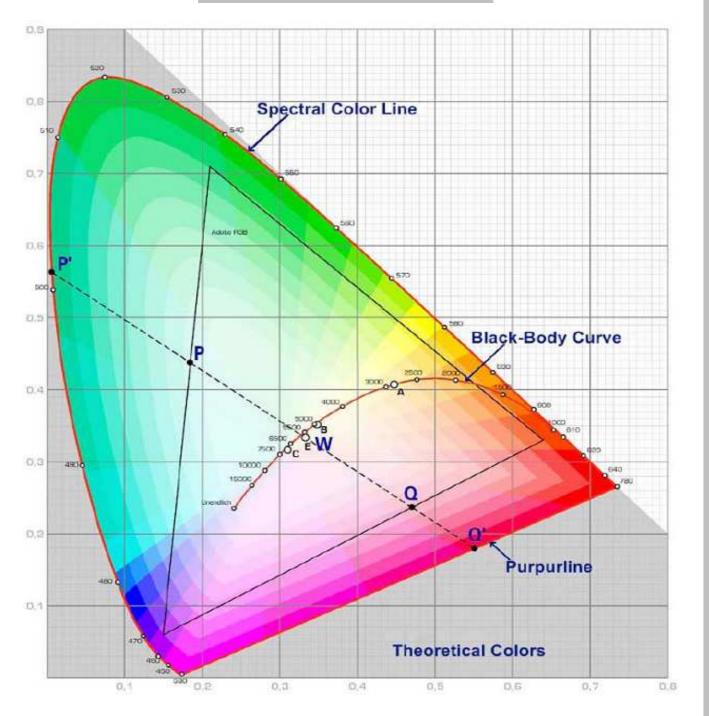
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Color table curve



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					Custome	er:	
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