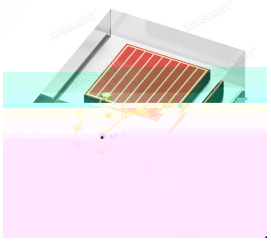
XL-C2016P2S10-62R

Technical Data Sheet

2016



he model diagram is for reference only

Characteristics

- L/W/H :2.0*1.6*0.9mm

  Outline Dimensions L/W/H :2.0*1.6*0.9mm
- : /

  Luminous color and colloid:red light/water colloid
-

  Cool beam safe to the touch
- ROHS

  Environmental protection products Complied With ROHS Directive
- MSL :3

  Moisture sensitivity level MSL : 3 levels
-

  Low voltage DC operated

Product application

- /

  Mobile camera flash (camera flash / strobe for mobile devices)
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  Automotive lighting
-

  Electric motorcycle lighting
-

  Exterior and interior lighting applications
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  Industrial and Commercial Lighting

Electrical Characteristics

1. T A M R)

Max Power Dissipation	PD	3	W
Max Continuous Forward Current	IF	1000	mA
Peak Forward Current	IFP	1100	mA
Max Reverse Voltage	VR	5	V
Operating Temperature Range	TOPR	-40 ~ +120 °C	
Storage Temperature Range	TSTR	-40 ~ +100 °C	
Welding conditions	TSOL	260 ≤6S	/

* ≤0. 1ms ≤1/10 Note: Pulse width≤0. 1ms, Duty≤1/10

2 T Op p ( )

Parameter	Symbol	Min.	Typ.	Max.	Unit	Test conditions
lum flu	Φ	6	-	1	LM	IF=700mA
Wa Len	λd	615		635	nm	IF=700mA
	VF	1.8	-	2.4	V	IF=700mA
Viewing	2θ1/2	-	120	-	Deg	IF=700mA
Reverse Current	IR	-	-	10	μA	VR=5V

* ±10% Note: the light intensity error is 10%;
±0.1V The pressure drop error is ±0.1V;
±1nm wavelength error is ±1 nm.

Reliability Test Items And Conditions

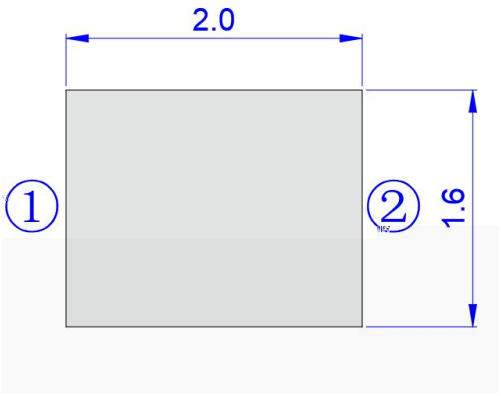
1. Test items and criteria

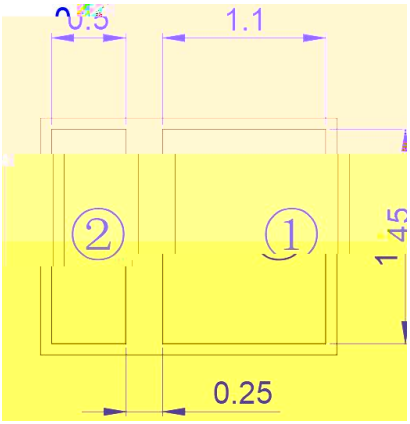
Test Parameter	Reference Criterion	Test Condition	Time	Quantity	/ Ac/Re
Resistance to Soldering Heat	JESD22-B106	Temp:260 max T=6sec	3 times	22Pcs	0/1
thermocycling	JESD22-A104	120 ±5 30min. -40 ±5 30min.	100 Cycles	22Pcs	0/1
High-temperature storage	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Low temperature storage	JESD22-A119	Temp:-40 ±5	1000Hrs	22Pcs	0/1
Working life	[illegible]	Ta=25 ±5 IF=700mA	[illegible]	[illegible]	[illegible]
High temperature	JESD22-A101	85 ±5 /85 RH	1000Hrs	22Pcs	0/1

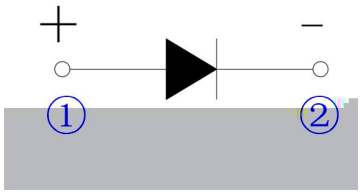
2. Criteria For Judging Damage

Parameter	Symbol	Test Condition	Judgement standard
			mo[illegible]

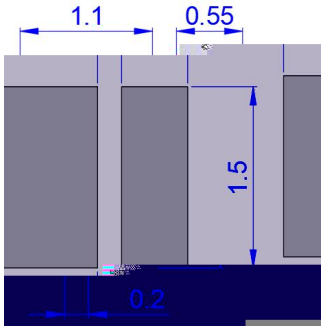
Outline Dimensions







Polarity



Recommendable Soldering Pattern

*　　1.　　mm

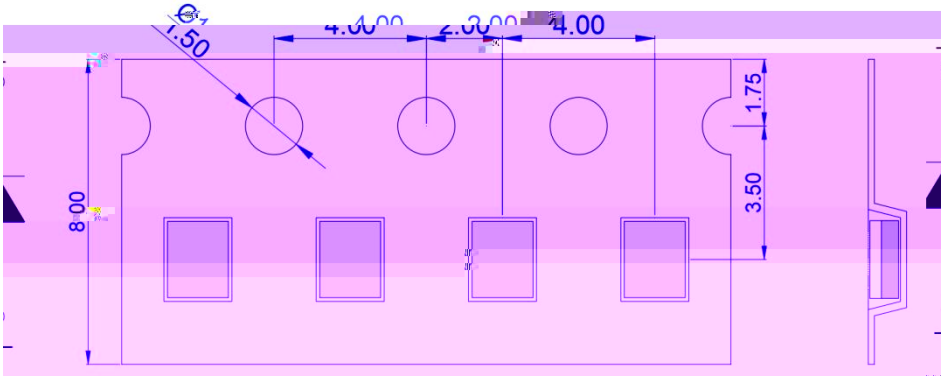
Note　All dimensions are in millimeters.

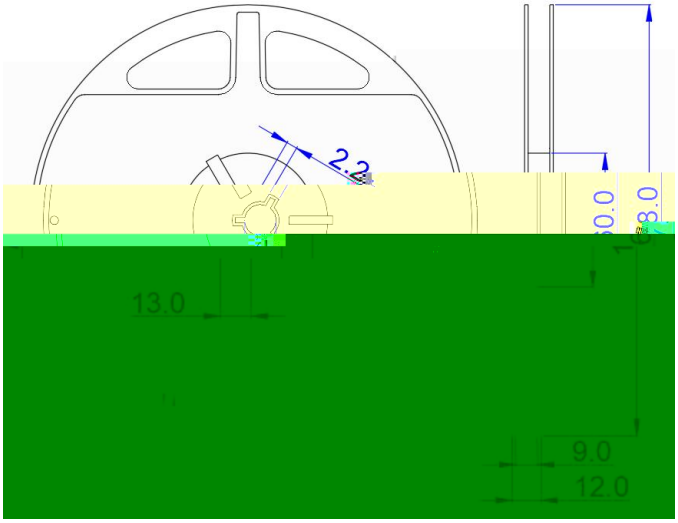
　　2.　　±0.25mm

　　Tolerance is±0.25mm unless otherwise noted

Packaging

1. Belt and disk dimensions





* 1. mm

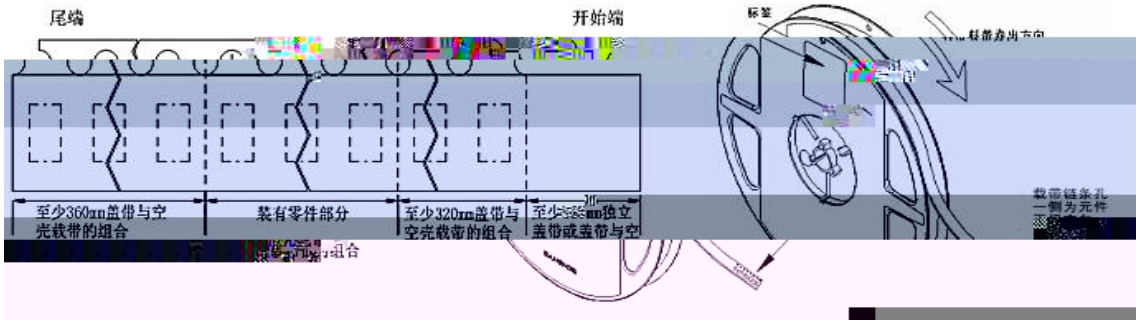
Note All dimensions are in millimeters mm .

2. ±0.10mm

Tolerance is±0.10mm unless otherwise noted

2.

Disk and carrier belt direction of roll and hole dimensions



Precautions

1. Storage

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Moisture proof and anti-electrostatic packa with moisture nt materi to keep moisture to a minimum.

· 30 60%RH

Before opening the package, the product shou e kept at 30 s and humi han 60% RH, and be used within a year.

· 30 40%RH 168

30 60%RH

After opening the package, the product shoul stored at 30 s and humi than 40%RH, and be soldered within 168 hours (7 day It is recomme t the produ ated at the workshop condition of 30 or less a humidity less x p

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