imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





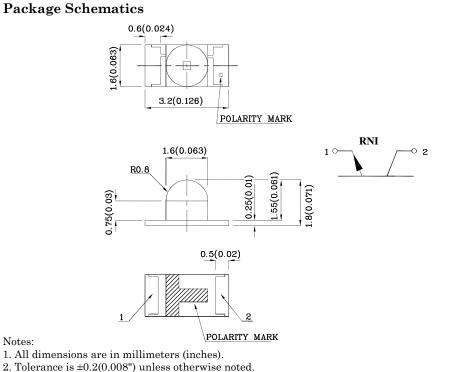
Part Number: XZRNI55W-3

3.2x1.6mm PHOTOTRANSISTOR

Features

- Long life and robust package
- Standard Package: 2,000pcs/ Reel
- MSL (Moisture Sensitivity Level): 3
- \bullet RoHS compliant





Specifications are subject to change without notice.

5. Specifications are subject to change with

Electrical / Optical Characteristics at TA=25°C

Symbol	Parameter	Min.	Тур.	Max.	Unit	Test Condiction
VBR CEO	Collector-to-Emitter Breakdown Voltage	30			V	Ic=100µA Ee=0mW/cm ²
VBR ECO	Emitter-to-Collector Breakdown Voltage	5			V	IE=100µA Ee=0mW/cm ²
VCE(SAT)	Collector-to-Emitter Saturation Voltage			0.8	V	IC=2mA Ee=20mW/cm ²
Iceo	Collector Dark Current			100	nA	VCE=10V Ee=0mW/cm ²
TR	Rise Time (10% to 90%)		15		μs	Vce=5V Ic=1mA RL=1KΩ
$\mathrm{T}\mathrm{F}$	Fall Time (90% to 10%)		15		μs	
I(ON)	On State Collector Current	0.4	1		mA	$\begin{array}{c} V{\rm CE}{=}5V\\ {\rm Ee}{=}1mW/cm^2\\ \lambda{=}940nm \end{array}$

Absolute Maximum Ratings at TA=25°C

Parameter	Maximum Ratings		
Collector-to-Emitter Voltage	30V		
Emitter-to-Collector Voltage	5V		
Power Dissipation at (or below) 25°C Free Air Temperature	100mW		
Operating / Storage Temperature Range	-40°C To +85°C		

A Relative Humidity between 40% and 60% is recommended in ESD-protected work areas to reduce static build up during assembly process (Reference JEDEC/JESD625-A and JEDEC/J-STD-033)



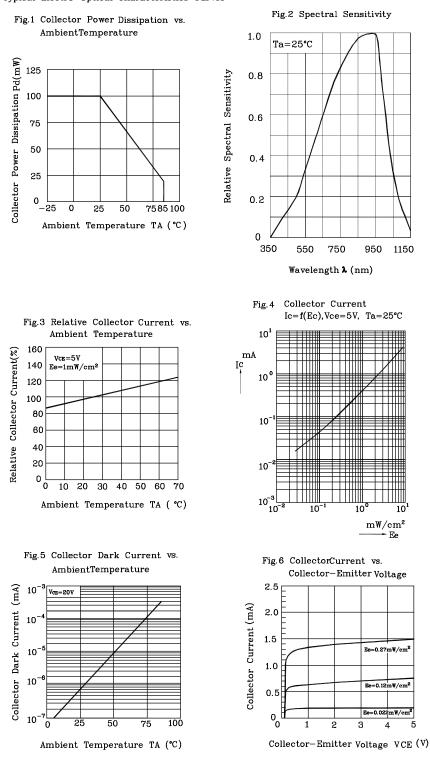
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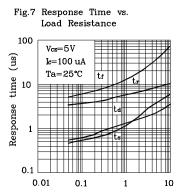
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Typical Electro-Optical Characteristics Curves

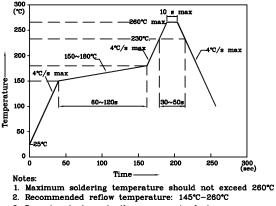




Load Resistance RL (ka)

LED is recommended for reflow soldering and soldering profile is shown below.

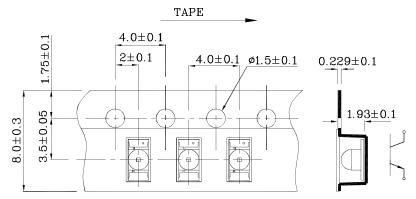
Reflow Soldering Profile for SMD Products (Pb-Free Components)



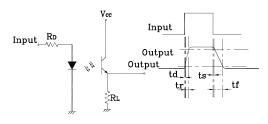
3. Do not put stress to the epoxy resin during

high temperatures conditions

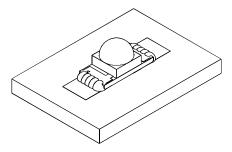
Tape Specification (Units : mm)



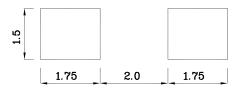
Test Circuit for Response Time



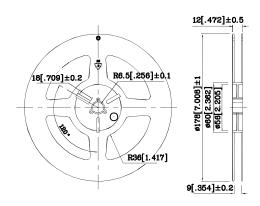
✤ The device has a single mounting surface. The device must be mounted according to the specifications.



Recommended Soldering Pattern (Units : mm; Tolerance: ± 0.1)

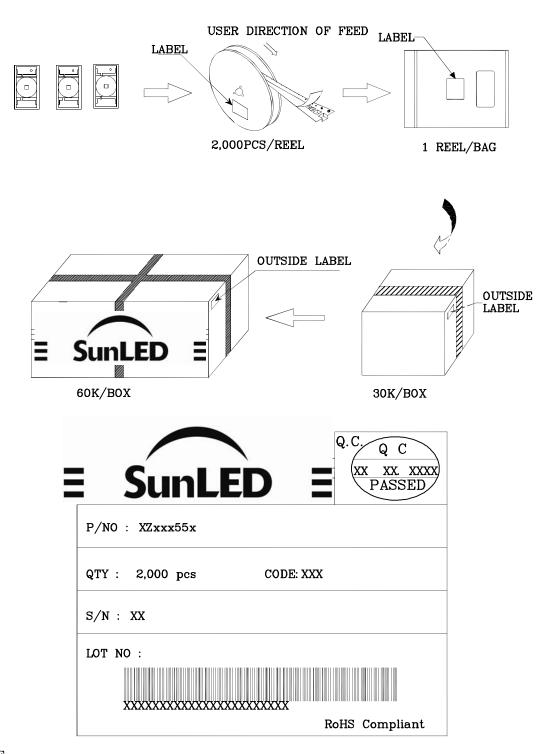


Reel Dimension





PACKING & LABEL SPECIFICATIONS



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- 2. Contents within this document are subject to improvement and enhancement changes without notice.
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Oct 12,2016

XDSA8822 V5 Layout: Maggie L.