

RKZ6.8TKJ

Silicon Planar Zener Diode for Bidirectional Surge Absorption

REJ03G1300-0200 Rev.2.00 May 12, 2006

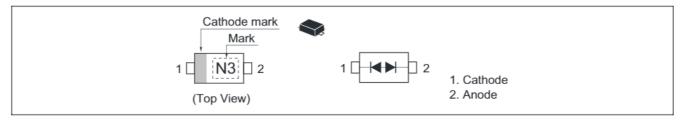
Features

- This product is for a two-way zener diode so its possible to use for bidirectional surge absorption.
- · Surge absorption for electronic devices such as LED-equipped devices.
- · Ultra small Flat Lead Package (UFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code	
RKZ6.8TKJ	N3	UFP	PWSF0002ZA-A	

Pin Arrangement



Absolute Maximum Ratings *1

 $(Ta = 25^{\circ}C)$

Item	Symbol	Value	Unit	
Power dissipation	Pd * ²	150	mW	
Junction temperature	ction temperature Tj		°C	
Storage temperature Tstg		-55 to +150	°C	

Notes: 1. Per one device

2. See Fig.2.

Electrical Characteristics

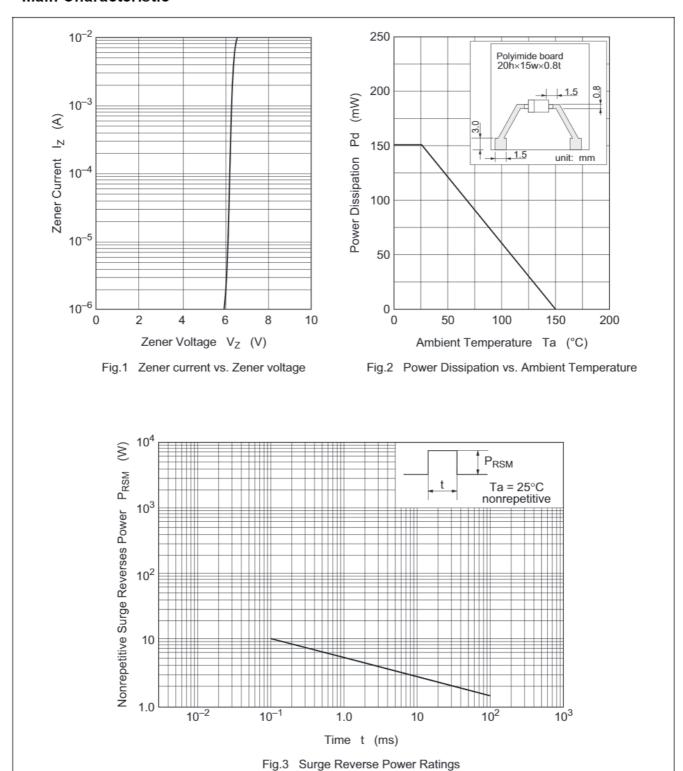
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition	
Zener voltage	Vz	5.80	_	7.80	V	I _Z = 5 mA, 40 ms pulse	
Reverse current	I _R	_	_	0.5	∞A	V _R = 3.5 V	
ESD-Capability *1	_	25	_	_	kV	C = 150 pF, R = 330 Ω , Both forward	
						and reverse direction 10 pulse	

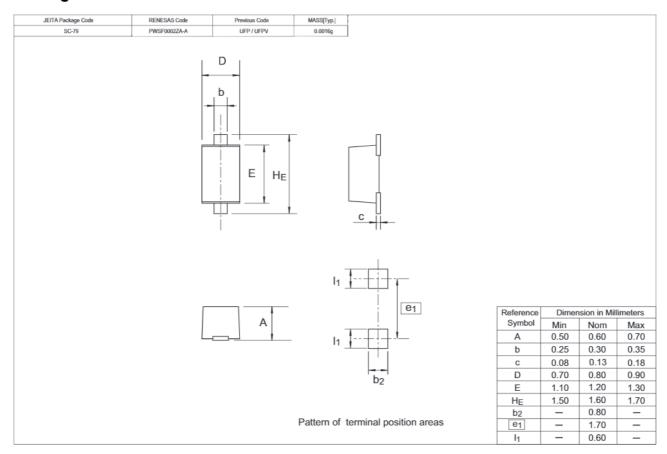
Notes: 1. Failure criterion; $I_R > 0.5 \propto A$ at $V_R = 3.5 \text{ V.}$ (Both direction)

2. For UFP package, the material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.

Main Characteristic



Package Dimensions



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