

RKZ27TWAQE

Silicon Epitaxial Planar Zener Diode for Bidirectional Surge Absorption

REJ03G1666-0200 Rev.2.00 Oct 14, 2008

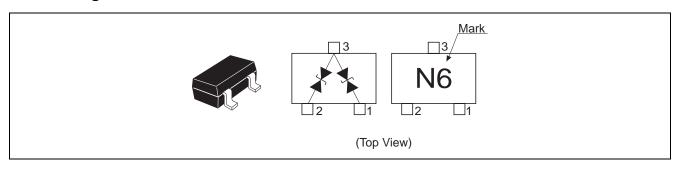
Features

- 2 lines with bidirectional characteristic in 1 package suppresses surges in both forward and reverse directions (positive and negative surges).
- High ESD resistance (guarantee of 30 kV , compliant with the IEC 61000-4-2 standard)
- Suitable for protecting CAN-BUS lines.
- Support for specifications of automobiles.
- CMPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Part No.	Laser Mark	Package Name	Package Code
RKZ27TWAQE	N6	CMPAK	PTSP0003ZB-A

Pin Arrangement



Absolute Maximum Ratings *1

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

Item	Symbol	Value	Unit
Power dissipation	Pd *	200	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note: 1 package total, See Fig.2.

Electrical Characteristics *1

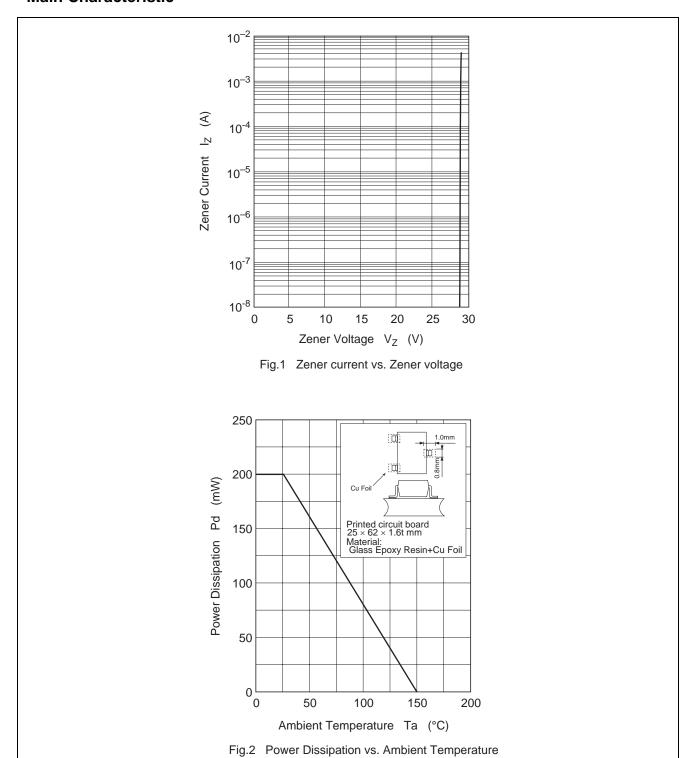
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Zener voltage	Vz	26.2	_	31.5	V	$I_Z = 1$ mA, 40 ms pulse
Reverse current	I _R	_	_	0.1	μΑ	V _R = 24 V
Capacitance	С	_	_	30	pF	$V_R = 0 V, f = 1 MHz$
ESD-Capability *2	_	30	_	_	kV	C = 150 pF, R = 330 Ω , Both forward
						and reverse direction 10 pulse

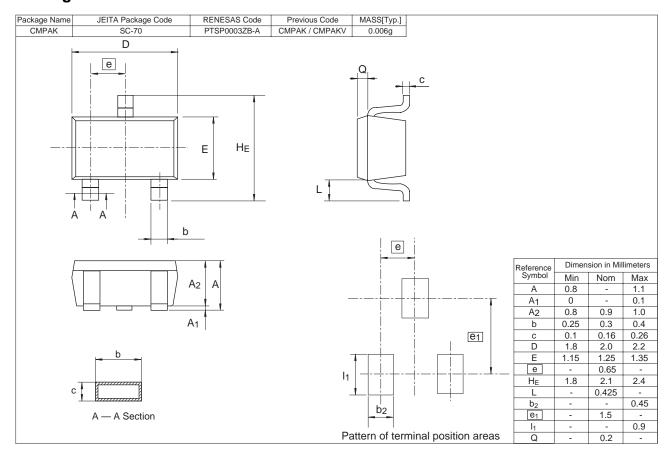
Notes: 1. Per one device

2. Failure criterion ; $I_R > 0.1~\mu\text{A}$ at $V_R = 24~V.$ (Both direction)

Main Characteristic



Package Dimensions



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