

RKZ-KP Series

Silicon Planar Zener Diode for Surge Absorption

REJ03G1728-0100 Rev.1.00 Aug 04, 2008

Features

- High ESD-Capability 30 kV, human body model (IEC61000-4-2).
- Wide zener voltage range from 6.2 V through 8.2 V.
- Halogen free, Environmental friendly Package include Conformity to RoHS Directive.
- Ultra small Package (0.6mm × 0.3mm Size leadless type).

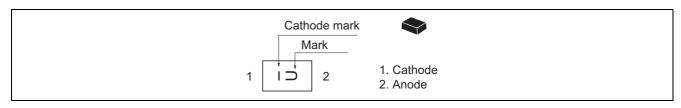
Ordering Information

Part No.	Laser Mark	Package Name	Package Code
RKZ-KP Series	Let to Mark Code	MP6	PXSN0002ZB-A

Mark Code

Part No.	Mark No.
RKZ6.2BKP	U
RKZ6.8BKP	V
RKZ8.2BKP	W

Pin Arrangement



Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Power dissipation	Pd * ¹	100	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note: 1. With P.C. Board.

Electrical Characteristics

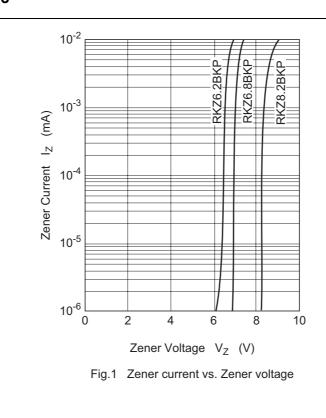
 $(Ta = 25^{\circ}C)$

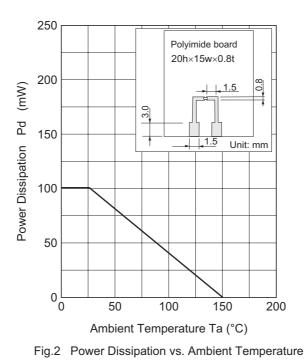
	Zener Voltage			Reverse	e Current	Dynamic	Resistance ESD-Capability	
	V _Z (V) * ¹		Test Condition	I _R (μ A)	Test Condition	r _d (Ω)	Test Condition	(kV) * ²
Part No.	Min	Max	I _Z (mA)	Max	V _R (V)	Max	I _Z (mA)	Min
RKZ6.2BKP	5.86	6.53	5	2	3.0	50	5	30
RKZ6.8BKP	6.47	7.14	5	2	3.5	30	5	30
RKZ8.2BKP	7.76	8.64	5	2	5.0	30	5	30

Notes: 1. Tested with pulse (Pw = 40 ms).

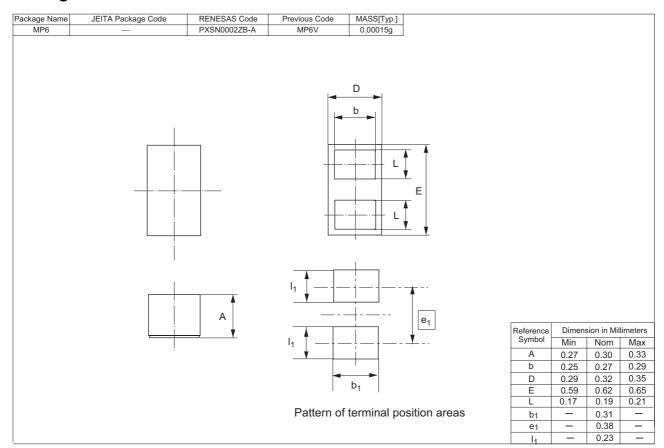
- 2. C =150 pF, R = 330 Ω , Both forward and reverse direction 10 pulse Failure criterion should according to IR spec .
- 3. Please do not use the soldering iron due to avoid high stress to the MP6 package.

Main Characteristic





Package Dimensions



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