RENESAS

RKZ6.2KL

Silicon Planar Zener Diode for Surge Absorption

REJ03G1253-0100 Rev.1.00 Nov 16, 2005

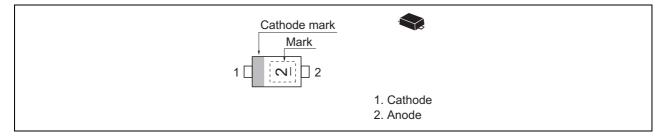
Features

- IEC61000-4-2 Contact discharge : 30kV
- Extremely small Flat Lead Package (EFP) is suitable for surface mount design.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
RKZ6.2KL	2	EFP	PXSF0002ZA-A
			(EFP)

Pin Arrangement





Absolute Maximum Ratings

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

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

Note: See Fig.2.

Electrical Characteristics

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

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Zener voltage	Vz	5.86		6.53	V	$I_Z = 5 \text{ mA}, 40 \text{ ms pulse}$
Reverse current	I _R	_	_	2	μA	V _R = 3.0 V
Dynamic resistance	r _d	_	_	50	Ω	$I_Z = 5 \text{ mA}$
ESD-Capability *1	—	30	_	—	kV	C = 150 pF, R = 330 Ω , Both Forward and reverse direction 10 pulse

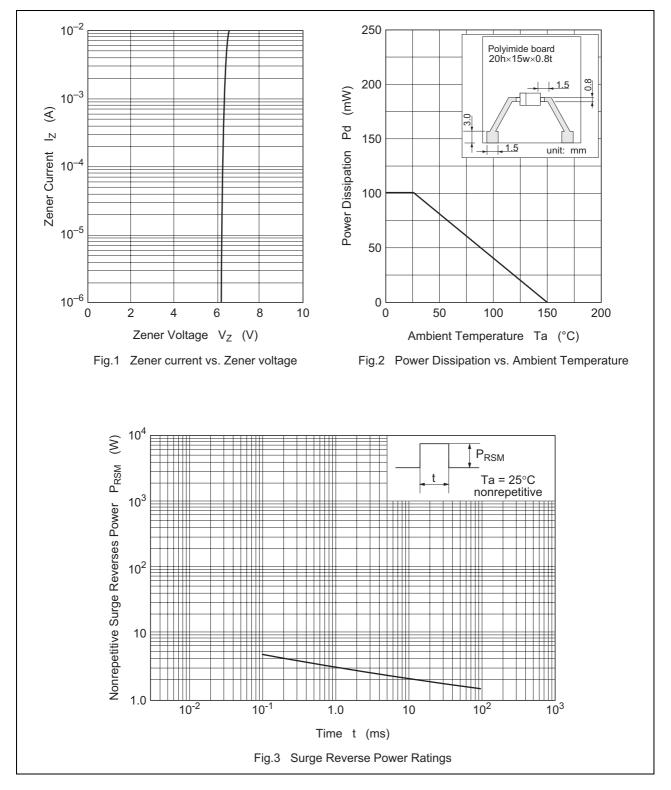
Notes: 1. Failure criterion ; $I_R > 2 \ \mu A$ at $V_R = 3.0 \ V$.

2. Please do not use the soldering iron due to avoid high stress.

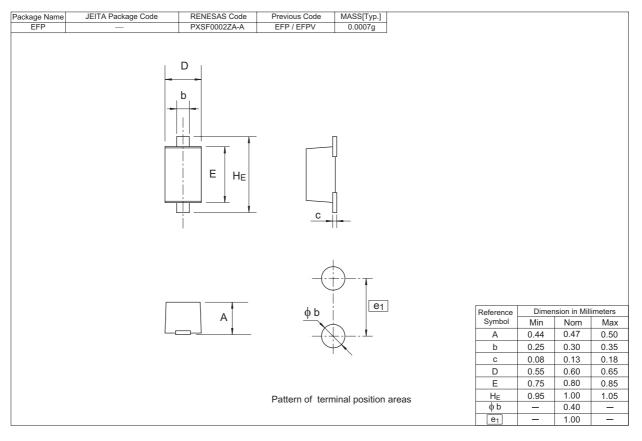
3. For EFP Package, the material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.



Main Characteristic



Package Dimensions





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