

RKD702KP

Silicon Schottky Barrier Diode for High Speed Switching

REJ03G1541-0200 Rev.2.00 Jul 19, 2007

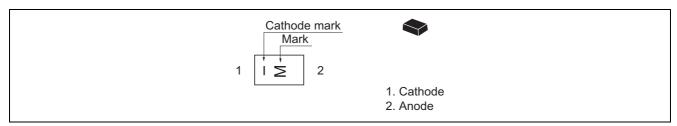
Features

- Low Power consumption (Low reverse leak current) and high speed (Low capacitance).
- 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
RKD702KP	M	MP6	PXSN0002ZB-A

Pin Arrangement



Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	30	V
Non-Repetitive Peak forward surge current	I _{FSM} *	200	mA
Forward current	I _F	50	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Note: 10 ms Sine Wave 1 pulse

Electrical Characteristics

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

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	_	_	0.35	V	I _F = 1 mA
	V_{F2}	_	_	0.40	V	I _F = 5 mA
Reverse current	I _{R1}	_	_	100	nA	V _R = 20 V
	I _{R2}	_	_	250	nA	V _R = 30 V
Capacitance	С	_	_	2.50	pF	V _R = 1 V, f = 1 MHz

Note: Please do not use the soldering iron due to avoid high stress to the MP6 package.

Main Characteristic

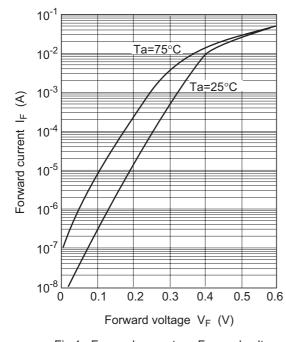
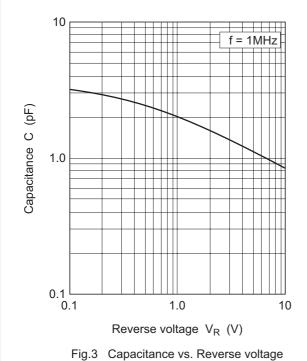


Fig.1 Forward current vs. Forward voltage



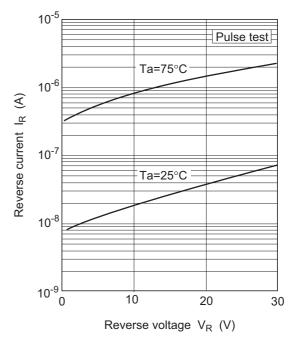
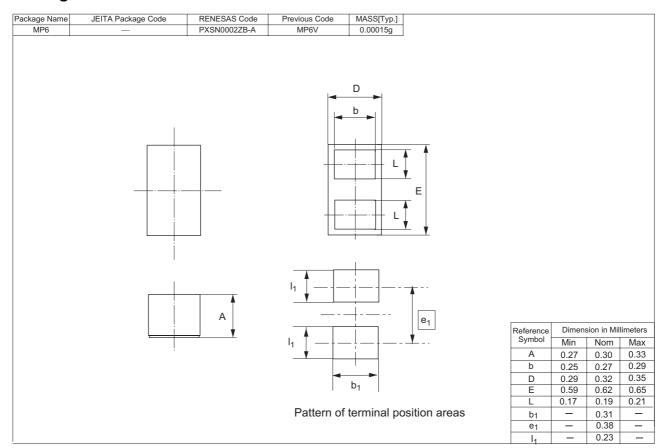


Fig.2 Reverse current vs. Reverse voltage

Package Dimensions



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