

RKD701KN

Silicon Schottky Barrier Diode for High Speed Switching

REJ03G1471-0100 Rev.1.00 Sep 27, 2006

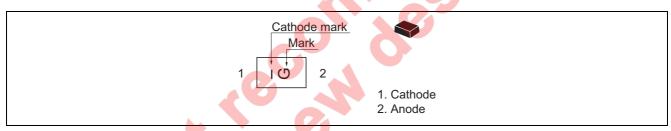
Features

- Low reverse current, Low capacitance.
- A free halogen has corresponded.
- Ultra small leadless Package (0805type; the use of an undersurface electrode structure) for use in compact and products.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code	
RKD701KN	G	MP8	PXSN0002ZA-A	

Pin Arrangement



Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	25	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

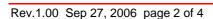
Note: 10 ms Sine Wave 1 pulse

Electrical Characteristics

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

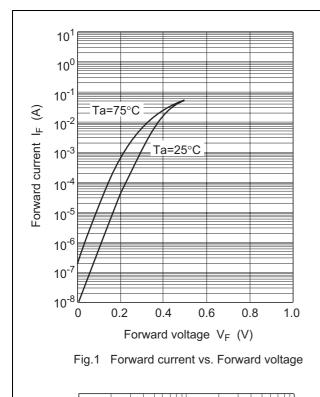
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	_	_	0.33	V	I _F = 1 mA
	V_{F2}	_	_	0.38		I _F = 5 mA
Reverse current	I _R	_	_	450	nA	V _R = 20 V
Capacitance	С	_	_	2.80	pF	$V_R = 1 V$, $f = 1 MHz$

Note: Please do not use the soldering iron due to avoid high stress to the MP8 package.





Main Characteristic



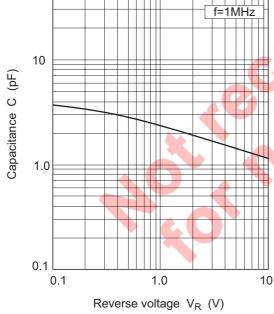


Fig.3 Capacitance vs. Reverse voltage

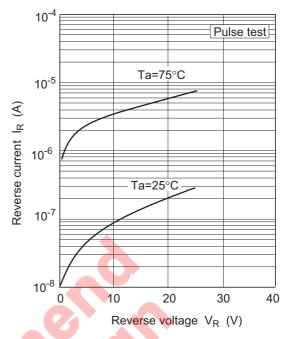
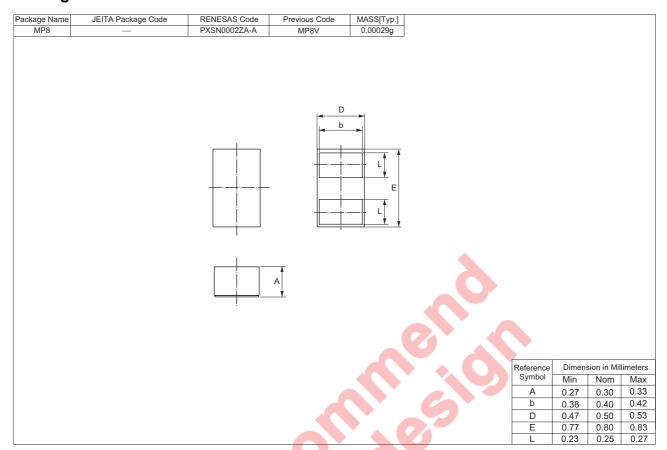


Fig.2 Reverse current vs. Reverse voltage

Package Dimensions



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