

RKD751KP

Silicon Schottky Barrier Diode for Detector

REJ03G1485-0200 Rev.2.00 Feb 22, 2007

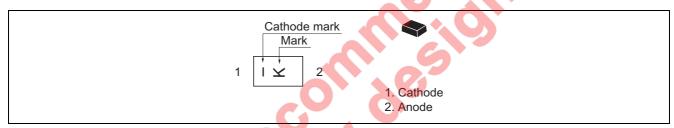
Features

- High forward current, 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	
RKD751KP	K	MP6	PXSN0002ZB-A	

Pin Arrangement



Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V _{RRM}	5	V
Reverse voltage	V _R	3	V
Average rectified current	I ₀	30	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

Electrical Characteristics

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

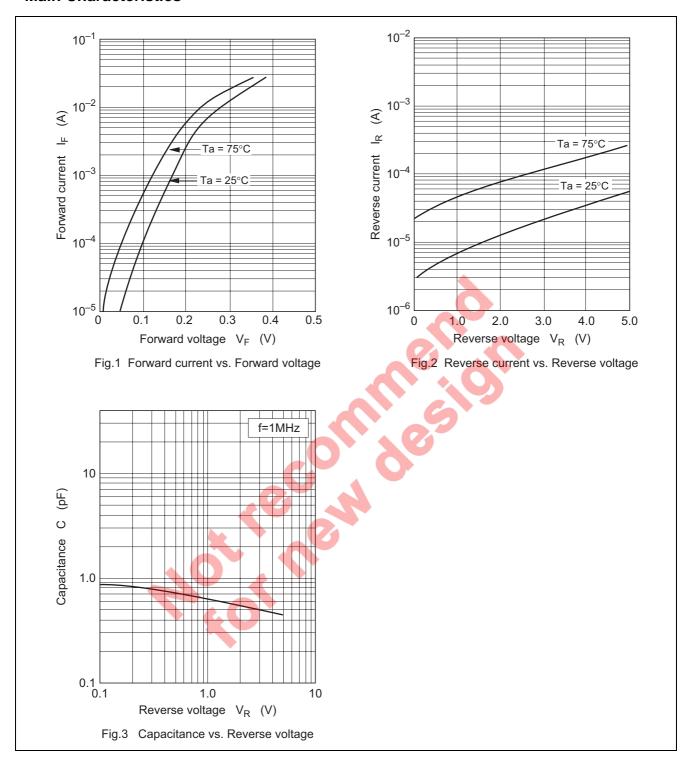
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse voltage	V _R	3.0	_	_	V	I _R = 1 mA
Reverse current	I _R	_	_	50	μА	V _R = 0.5 V
Forward current	I _F	35	_	_	mA	V _F = 0.5 V
Capacitance	С	_	_	1.0	pF	V _R = 0.5 V, f = 1 MHz
ESD-Capability *1	_	30	_	_	V	$C = 200 \text{ pF}, R_L = 0 \Omega$, Both forward
						and reverse direction 1 pulse.

Notes: 1. Failure criterion ; $I_R > 100 \mu A$ at $V_R = 0.5 V$

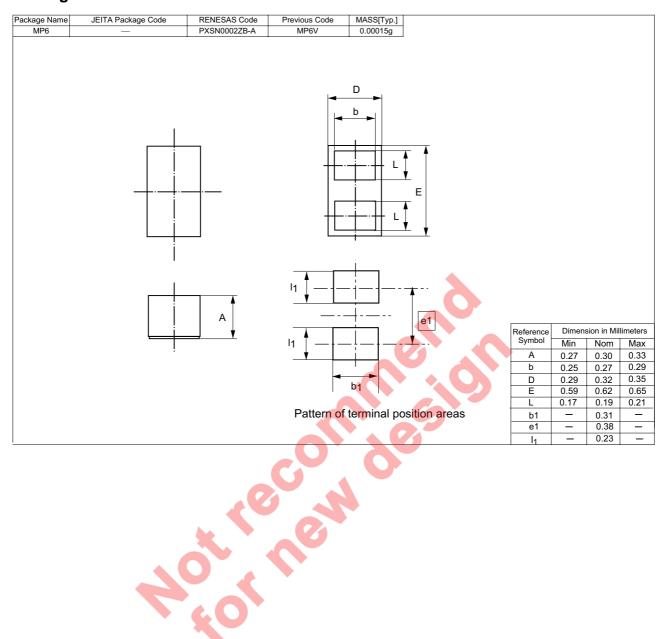
2. Please do not use the soldering iron due to avoid high stress to the MP6 package.



Main Characteristics



Package Dimensions



Renesas Technology Corp. Sales Strategic Planning Div. Nippon Bldg., 2-6-2, Ohte-machi, Chiyoda-ku, Tokyo 100-0004, Japan

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April 1st, 2010 Renesas Electronics Corporation

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