

RKD751KP

Silicon Schottky Barrier Diode for Detector

REJ03G1485-0200 Rev.2.00 Feb 22, 2007

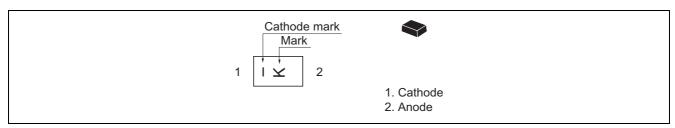
Features

- 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	К	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	$I_R = 1 \text{ mA}$
Reverse current	I _R	_	_	50	μА	V _R = 0.5 V
Forward current	I _F	35	_	_	mA	$V_F = 0.5 \text{ V}$
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

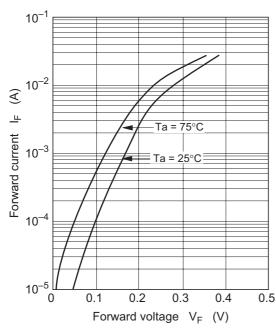


Fig.1 Forward current vs. Forward voltage

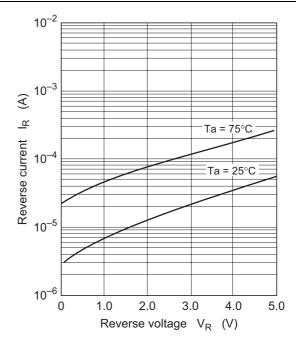
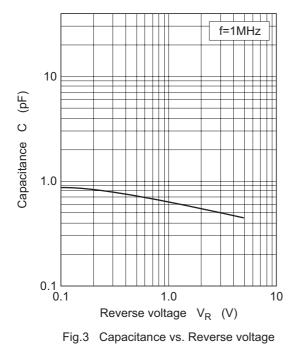
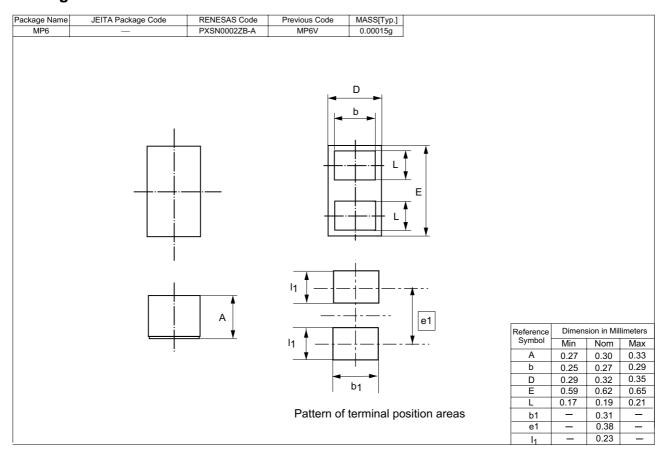


Fig.2 Reverse current vs. Reverse voltage



Package Dimensions



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