

# RKD751KP

# Silicon Schottky Barrier Diode for Detector

REJ03G1485-0200 Rev.2.00 Feb 22, 2007

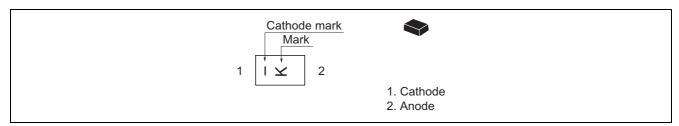
#### **Features**

- 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 <sub>R</sub>	3	V
Average rectified current	I <sub>0</sub>	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 <sub>R</sub>	_	_	50	μА	V <sub>R</sub> = 0.5 V
Forward current	I <sub>F</sub>	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**

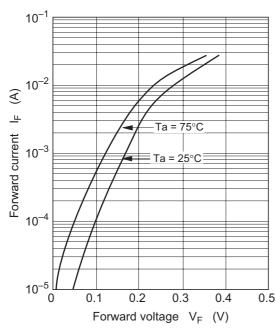


Fig.1 Forward current vs. Forward voltage

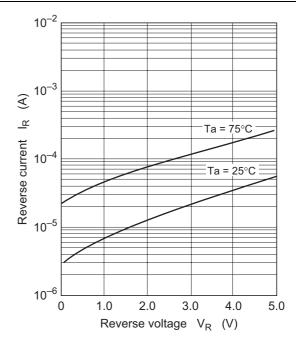
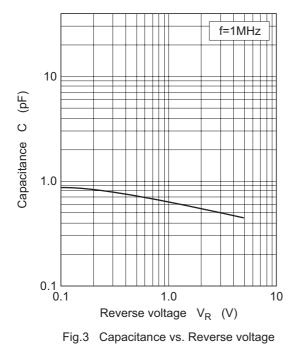
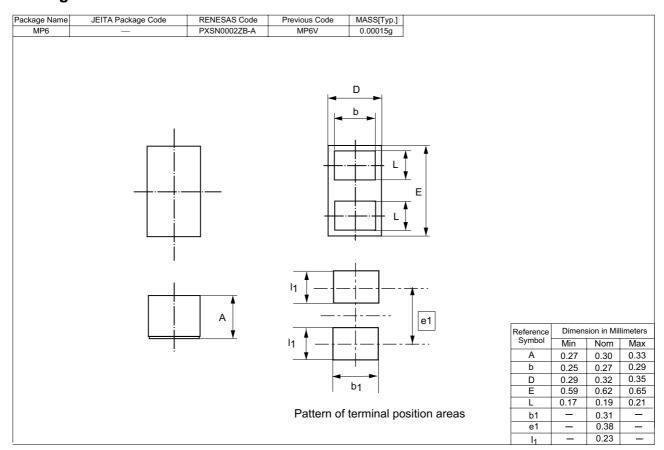


Fig.2 Reverse current vs. Reverse voltage



## **Package Dimensions**



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