

# RKD704KP

Silicon Schottky Barrier Diode for High Speed Switching

REJ03G1781-0100 Rev.1.00 Jun 26, 2009

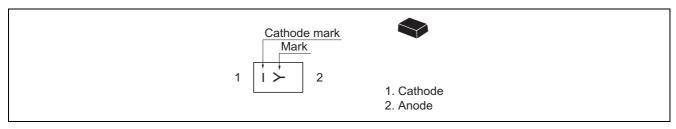
# Features

- Low Power consumption (Low Forward voltage) and high speed (Low capacitance).
- Halogen free, Environmental friendly Package include Conformity to RoHS Directive.
- Ultra small Package (0.6 mm  $\times$  0.3 mm Size leadless type)

# **Ordering Information**

Part No	Laser Mark	Package Name	Package Code	Taping Abbreviation (Quantity)
RKD704KP R	Y	MP6	PXSN0002ZB-A	R (10,000 pcs / reel)

# **Pin Arrangement**



# **Absolute Maximum Ratings**

	$(Ta = 25^{\circ}C)$		
Symbol	Value	Unit	
V <sub>RRM</sub>	30	V	
I <sub>F</sub>	50	mA	
I <sub>FSM</sub> *	200	mA	
Тј	125	°C	
Tstg	-55 to +125	°C	
	V <sub>RRM</sub> I <sub>F</sub> I <sub>FSM</sub> * Tj	V <sub>RRM</sub> 30           I <sub>F</sub> 50           I <sub>FSM</sub> *         200           Tj         125	

Note: 10 ms Sine Wave 1 pulse

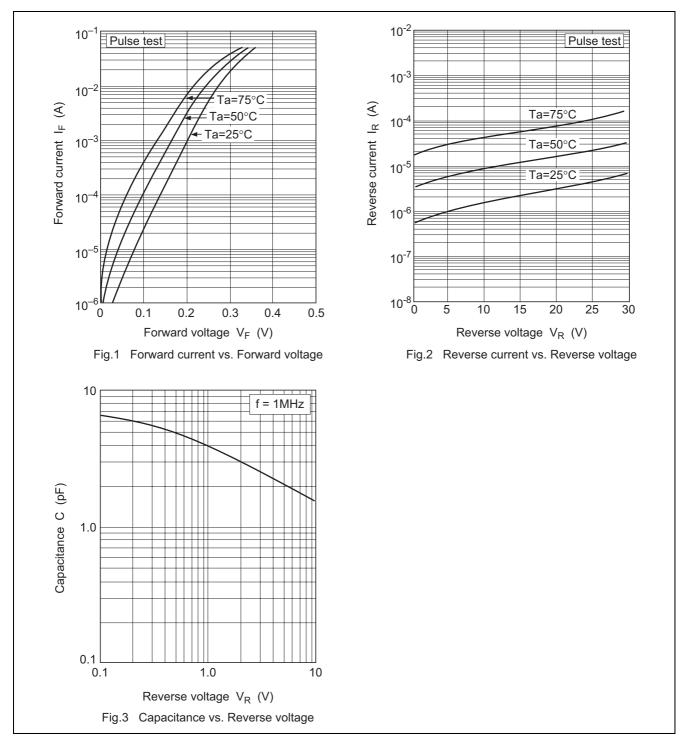
# **Electrical Characteristics**

(Ta = 25°C)

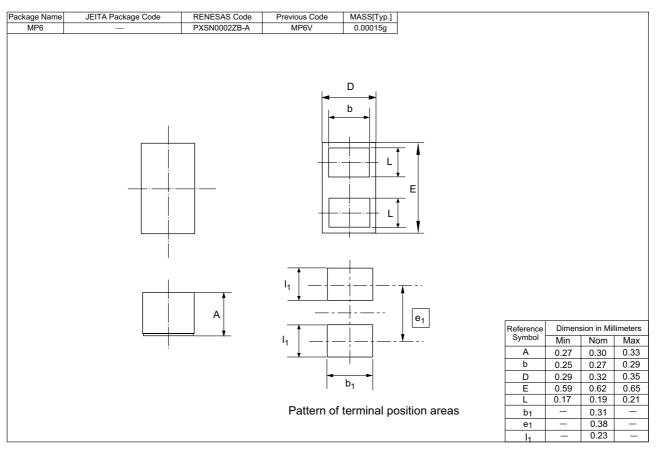
ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V <sub>F1</sub>	_	—	0.25	V	I <sub>F</sub> = 1 mA
	V <sub>F2</sub>		—	0.30	V	I <sub>F</sub> = 10 mA
	V <sub>F3</sub>		—	0.34	V	I <sub>F</sub> = 20 mA
Reverse current	I <sub>R1</sub>		—	10	μΑ	V <sub>R</sub> = 10 V
	I <sub>R2</sub>		—	50	μΑ	V <sub>R</sub> = 30 V
Capacitance	С		—	5	pF	V <sub>R</sub> = 1 V, f = 1 MHz

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

# **Main Characteristics**



# **Package Dimensions**



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