

RKD704KP

Silicon Schottky Barrier Diode for High Speed Switching

REJ03G1781-0100 Rev.1.00 Jun 26, 2009

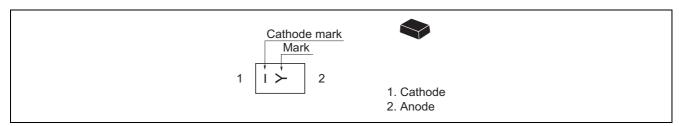
Features

- 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 × 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

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

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	30	V
Forward current	I _F	50	mA
Non-Repetitive Peak forward surge current	I _{FSM} *	200	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}	_	_	0.25	V	I _F = 1 mA
	V_{F2}	_	_	0.30	V	I _F = 10 mA
	V_{F3}	_	_	0.34	V	I _F = 20 mA
Reverse current	I _{R1}	_	_	10	μΑ	V _R = 10 V
	I _{R2}	_	_	50	μΑ	V _R = 30 V
Capacitance	С	_	_	5	pF	V _R = 1 V, f = 1 MHz

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

Main Characteristics

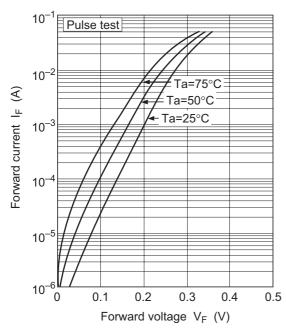


Fig.1 Forward current vs. Forward voltage

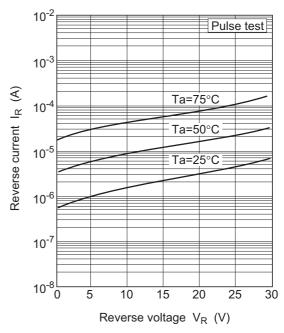
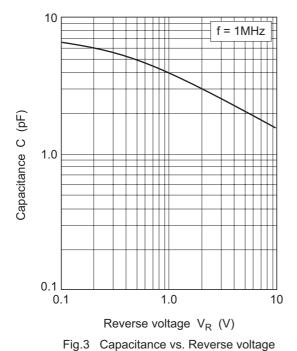
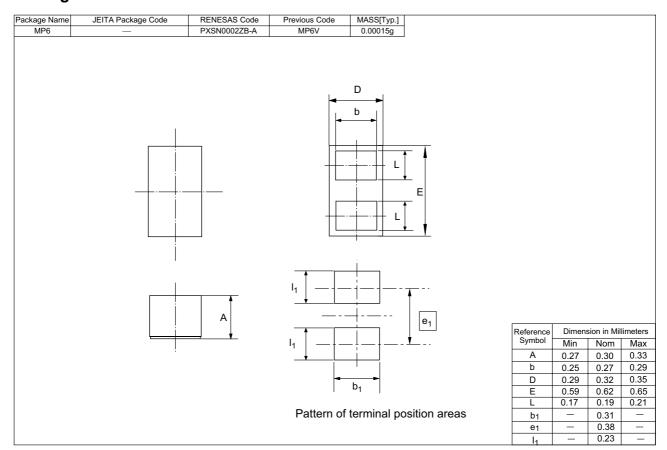


Fig.2 Reverse current vs. Reverse voltage



Package Dimensions



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