

RKP200KP

Silicon Epitaxial Planar Pin Diode for Antenna Switching

REJ03G1303-0300 Rev.3.00 Feb 21, 2007

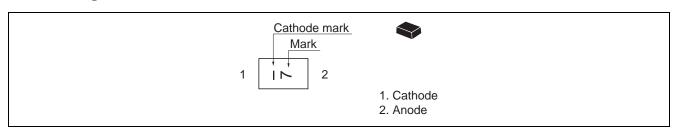
Features

- An optimal solution for antenna switching in mobile phones.
- Low capacitance. (C = 0.35 pF max)
- Low forward resistance. (rf = $1.3 \Omega \text{ max}$)
- 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	
RKP200KP	7	MP6	PXSN0002ZB-A	

Pin Arrangement



Absolute Maximum Ratings

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

Item	Symbol	Value	Unit
Reverse voltage	V _R	30	V
Forward current	I _F	100	mA
Power dissipation	Pd	100	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	−55 to +125	°C

Electrical Characteristics

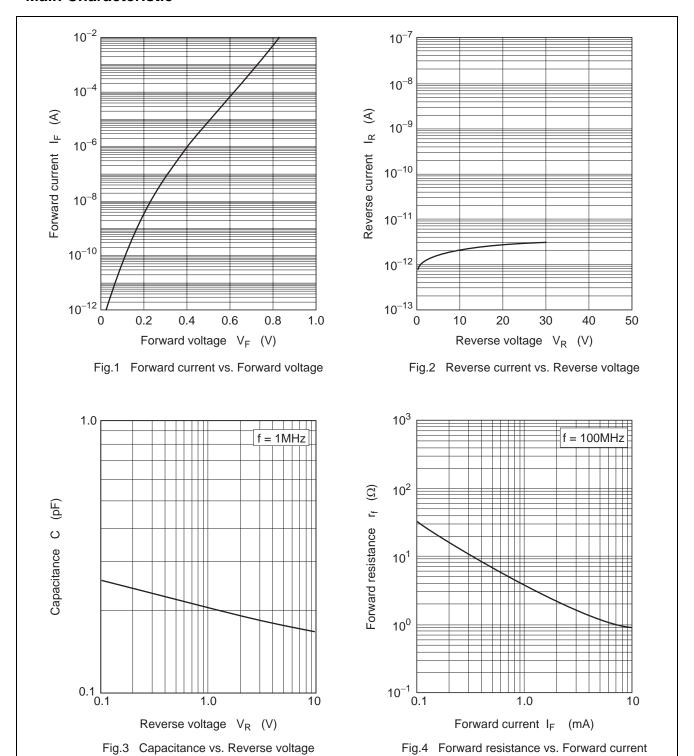
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _F	_	_	1.0	V	I _F = 10 mA
Reverse current	I _R	_	_	100	nA	V _R = 30 V
Capacitance	С	_	_	0.35	pF	V _R = 1 V, f = 1 MHz
Forward resistance	r _f	_	_	1.3	Ω	I _F = 10 mA, f = 100 MHz
ESD-Capability *1	_	100	_	_	V	$C = 200 \text{ pF}, R = 0 \Omega$, Both forward
						and reverse direction 1 pulse.

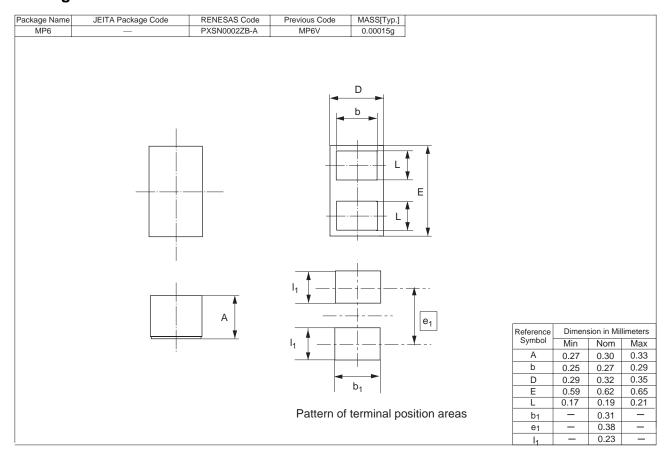
Notes: 1. Failure criterion ; $I_R > 100$ nA at $V_R = 30$ V

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

Main Characteristic



Package Dimensions



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