

RKP301KJ

Silicon Epitaxial Planar Pin Diode for Antenna Switching

REJ03G1686-0100 Rev.1.00 May 30, 2008

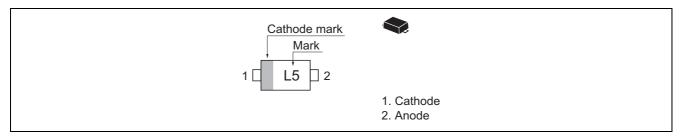
Features

- Low capacitance. (C = 0.30 pF max)
- Low forward resistance. (rf = $2.5 \Omega \text{ max}$)
- Ultra small Flat Lead Package (UFP) is suitable for surface mount design.

Ordering Information

Part No.	Laser Mark	Package Name	Package Code	
RKP301KJ	L5	UFP	PWSF0002ZA-A	

Pin Arrangement



Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$	
ltem	Symbol	Ratings	Unit	
Reverse voltage	V _R	30	V	
Forward current	I _F	100	mA	
Power dissipation	Pd	150	mW	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	٥C	

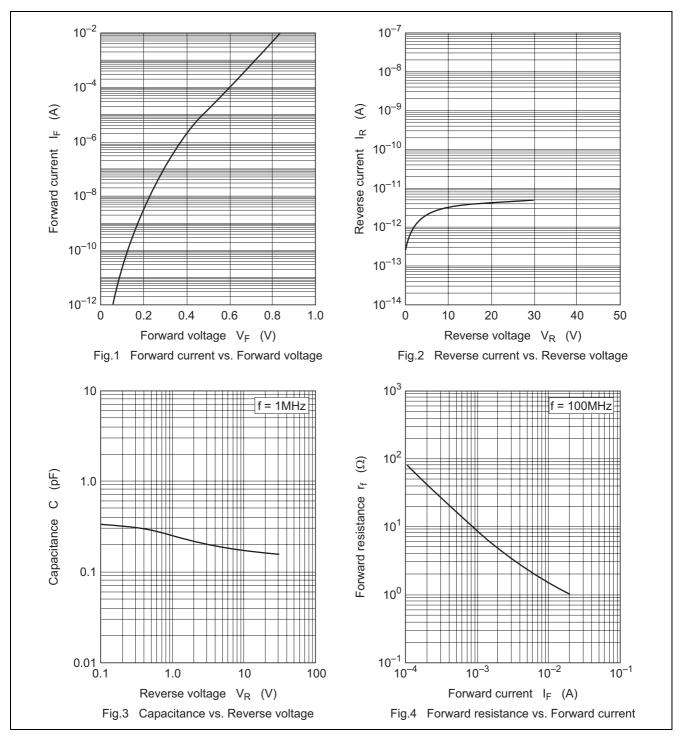
Electrical Characteristics

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

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	VF	_		1.0	V	I _F = 10 mA
Reverse current	I _R	_	—	100	nA	V _R = 30 V
Capacitance	С	_	—	0.30	pF	V _R = 20 V, f = 1 MHz
Forward resistance	r _f		_	2.5	Ω	I _F = 10 mA, f = 100 MHz

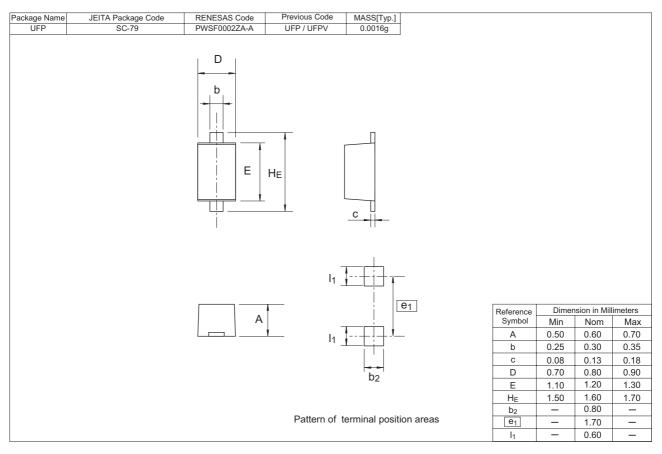
Note: For UFP package, the material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.

Main Characteristic



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Package Dimensions



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