

# RKP300KJ

# Silicon Epitaxial Planar Pin Diode for Wireless LAN

REJ03G1615-0100 Rev.1.00 Jan 28, 2008

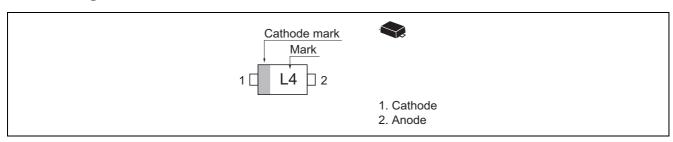
### **Features**

- Suitable for an antenna switches of wireless LAN and a cordless telephone.
- Super -Low capacitance. (C = 0.25 pF max)
- Low forward resistance. (rf =  $3.7 \Omega \text{ max}$ )
- Ultra small Flat Lead Package (UFP) is suitable for surface mount design.

# **Ordering Information**

Part No.	Laser Mark	Package Name	Package Code
RKP300KJ	L4	UFP	PWSF0002ZA-A

# **Pin Arrangement**



# **Absolute Maximum Ratings**

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

Item	Symbol	Value	Unit
Reverse voltage	V <sub>R</sub>	30	V
Forward current	I <sub>F</sub>	50	mA
Power dissipation	Pd	100	mw
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

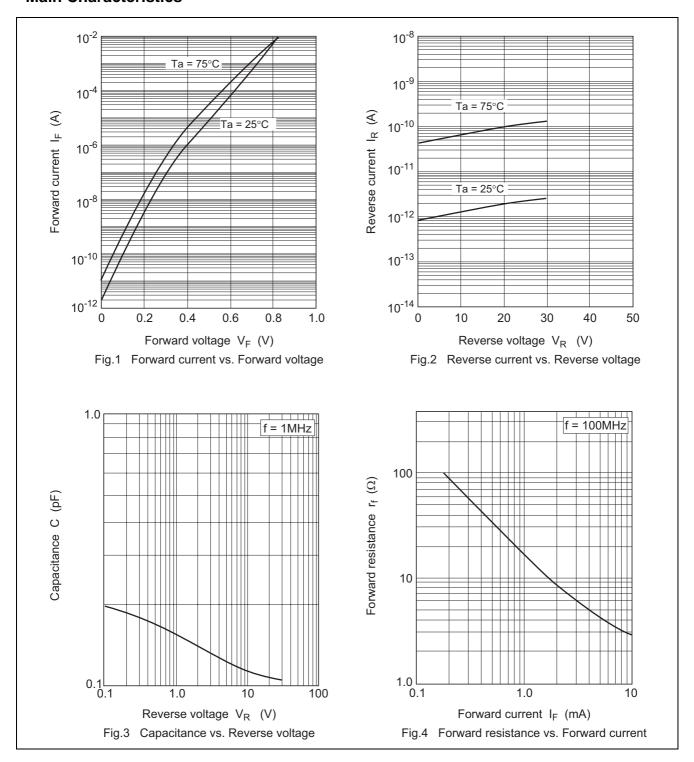
# **Electrical Characteristics**

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

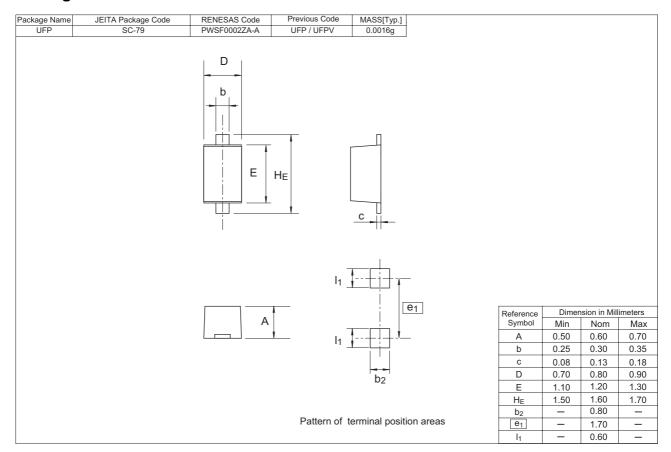
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I <sub>R</sub>	_	_	100	nA	V <sub>R</sub> = 30 V
Forward voltage	V <sub>F</sub>	_	_	1.0	V	I <sub>F</sub> = 10 mA
Capacitance	С	_	_	0.25	pF	V <sub>R</sub> = 1 V, f = 1 MHz
Forward resistance	r <sub>f</sub>	_	_	3.7	Ω	V <sub>R</sub> = 10 V, f = 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 Characteristics**



# **Package Dimensions**



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