

# RKP301KL

# Silicon Epitaxial Planar Pin Diode for Antenna Switching

REJ03G1688-0100 Rev.1.00 May 30, 2008

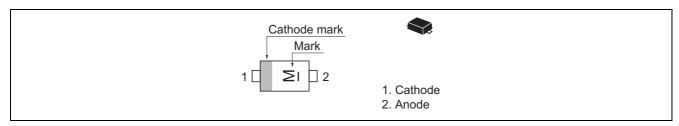
### **Features**

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

## **Ordering Information**

Part No.	Laser Mark	Package Name	Package Code
RKP301KL	M	EFP	PXSF0002ZA-A

## **Pin Arrangement**



## **Absolute Maximum Ratings**

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

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

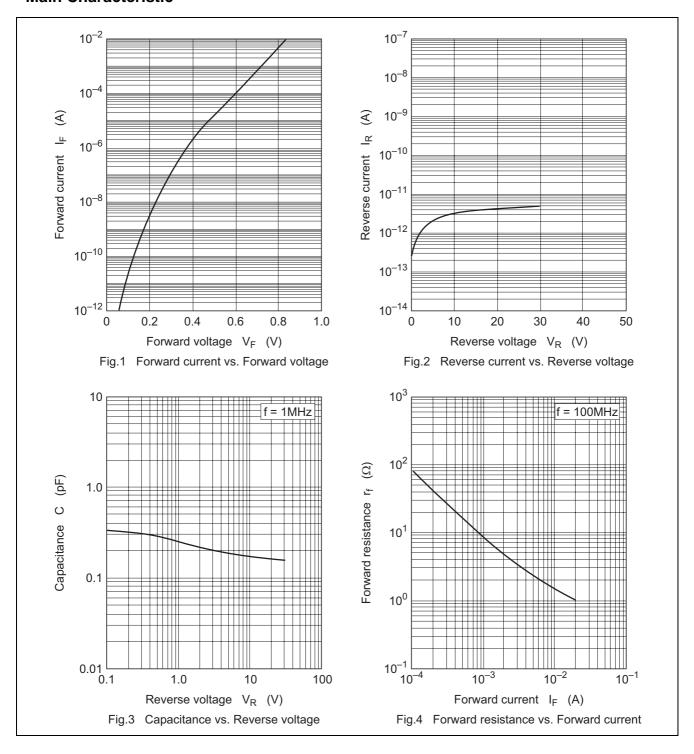
## **Electrical Characteristics**

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

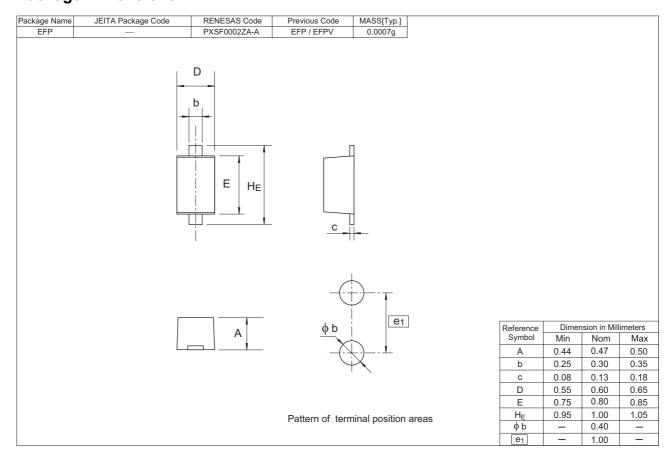
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V <sub>F</sub>	_	_	1.0	V	I <sub>F</sub> = 10 mA
Reverse current	I <sub>R</sub>	_	_	100	nA	V <sub>R</sub> = 30 V
Capacitance	С	_	_	0.30	pF	V <sub>R</sub> = 20 V, f = 1 MHz
Forward resistance	r <sub>f</sub>	_	_	2.5	Ω	I <sub>F</sub> = 10 mA, f = 100 MHz

Note: For EFP 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**



## **Package Dimensions**



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