

# RKS150KK

# Silicon Epitaxial Planar Diode for UHF/VHF tuner Band Switch

REJ03G1292-0100 Rev.1.00 Nov 07, 2005

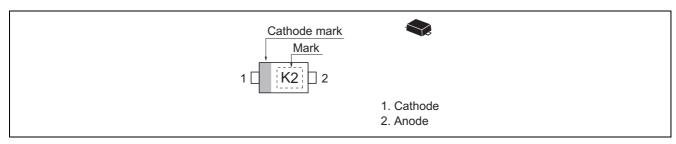
#### **Features**

- Low forward resistance. (rf =  $0.7 \Omega \text{ max}$ )
- Super small Flat Lead Package (SFP) is suitable for surface mount design.

## **Ordering Information**

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
RKS150KK	K2	SFP	PUSF0002ZB-A
			(SFP)

## **Pin Arrangement**



# **Absolute Maximum Ratings**

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

Item	Symbol	Value	Unit
Reverse voltage	$V_R$	35	V
Power dissipation	Pd	150	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-55 to +125	°C

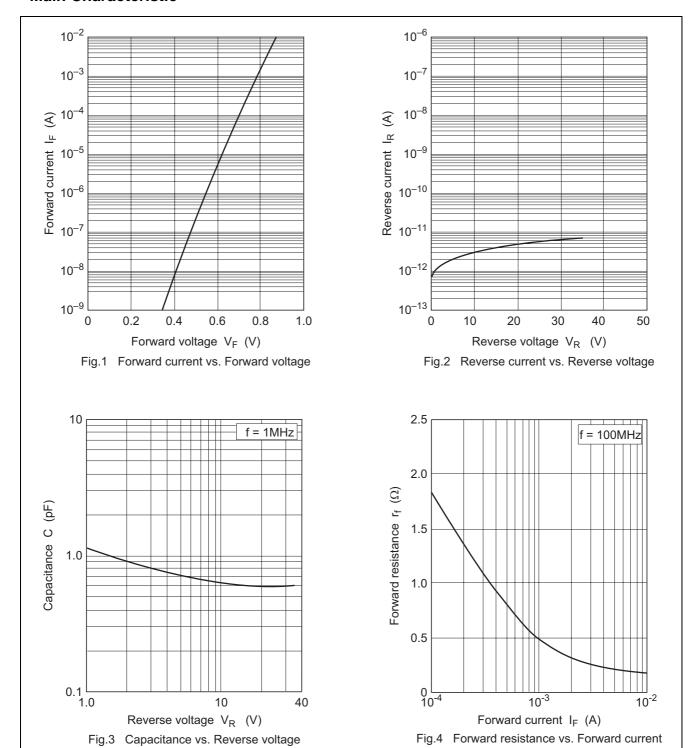
#### **Electrical Characteristics**

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

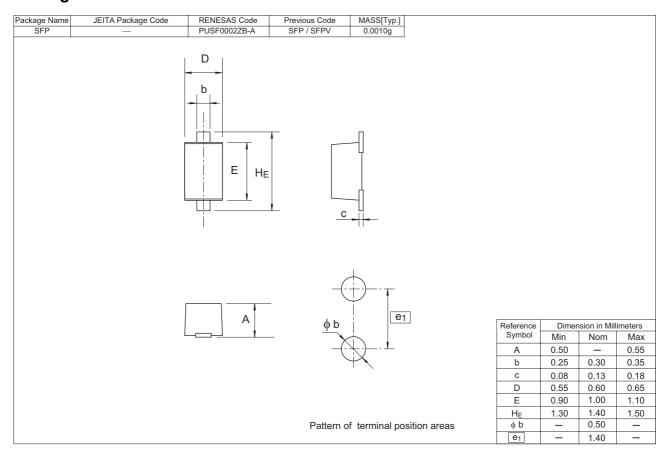
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I <sub>R</sub>	_	_	50	nA	V <sub>R</sub> = 25 V
Forward voltage	V <sub>F</sub>	_	_	1.0	V	I <sub>F</sub> = 10 mA
Capacitance	С	_	_	1.2	pF	V <sub>R</sub> = 6 V, f = 1 MHz
Forward resistance	r <sub>f</sub>	_	_	0.7	Ω	I <sub>F</sub> = 2 mA, f = 100 MHz

Note: 1. For SFP 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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