

# RKS1510DKJ

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

REJ03G0537-0100 Rev.1.00 Feb 23, 2005

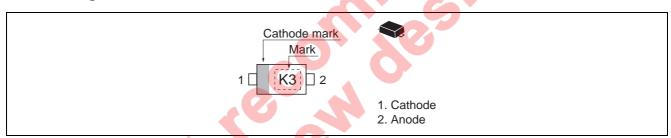
#### **Features**

- Low capacitance. (C = 0.8 pF max)
- Low forward resistance. (rf =  $0.7 \Omega \text{ max}$ )
- Ultra small Flat Lead Package (UFP) is suitable for surface mount design.

#### **Ordering Information**

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
RKS1510DKJ	K3	UFP	PWFS0002ZA-A
			(UFP)

## **Pin Arrangement**



### **Absolute Maximum Ratings**

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

Item	Symbol	Value	Unit		
Reverse voltage	V <sub>R</sub>	35	V		
Power dissipation	Pd	150	mW		
Junction temperature	Тј	125	°C		
Storage temperature	Tstg	-55 to +125	°C		

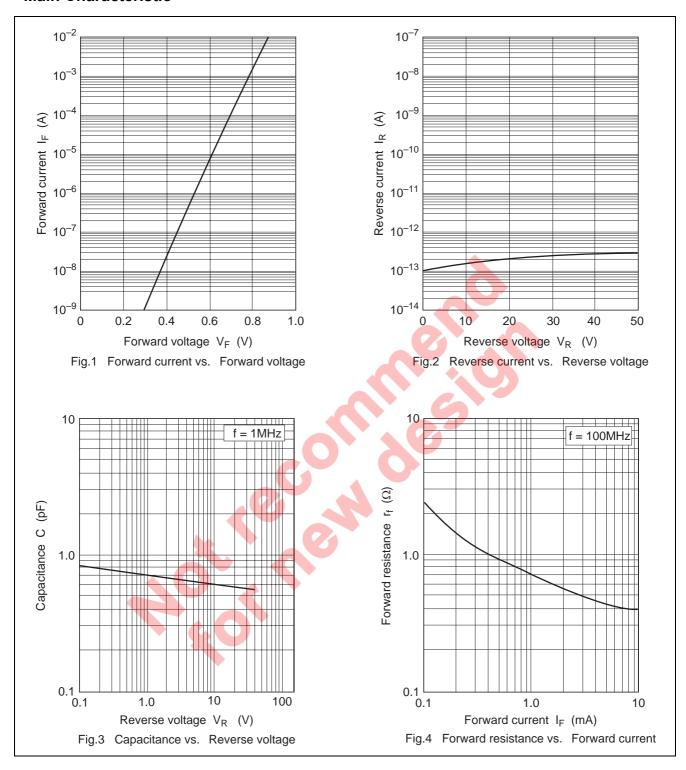
#### **Electrical Characteristics**

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

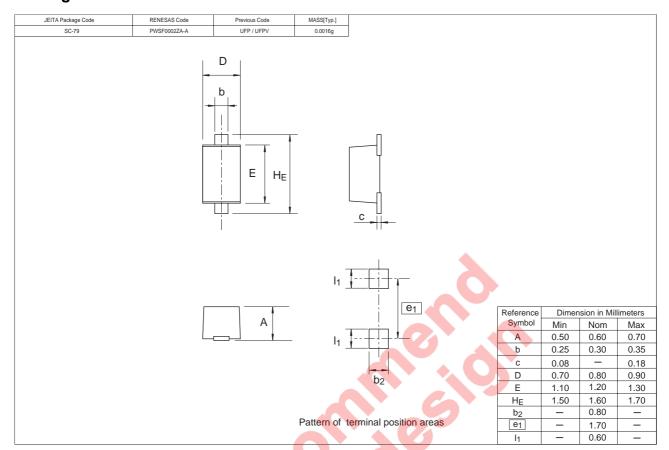
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse current	I <sub>R</sub>	_	_	50	nA	V <sub>R</sub> = 25 V
Forward voltage	V <sub>F</sub>	_	_	1.0	V	I <sub>F</sub> = 10 mA
Capacitance	С	_	_	0.8	pF	V <sub>R</sub> = 6 V, f = 1 MHz
Forward resistance	r <sub>f</sub>	_	_	0.7	Ω	I <sub>F</sub> = 2 mA, f = 100 MHz



#### **Main Characteristic**



### **Package Dimensions**



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