

# RKS1510DKJ

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

REJ03G0537-0100 Rev.1.00 Feb 23, 2005

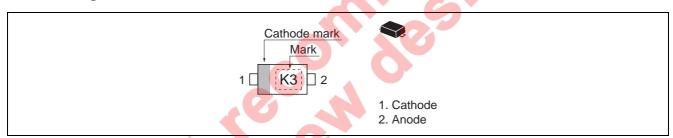
#### **Features**

- 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**

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

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**

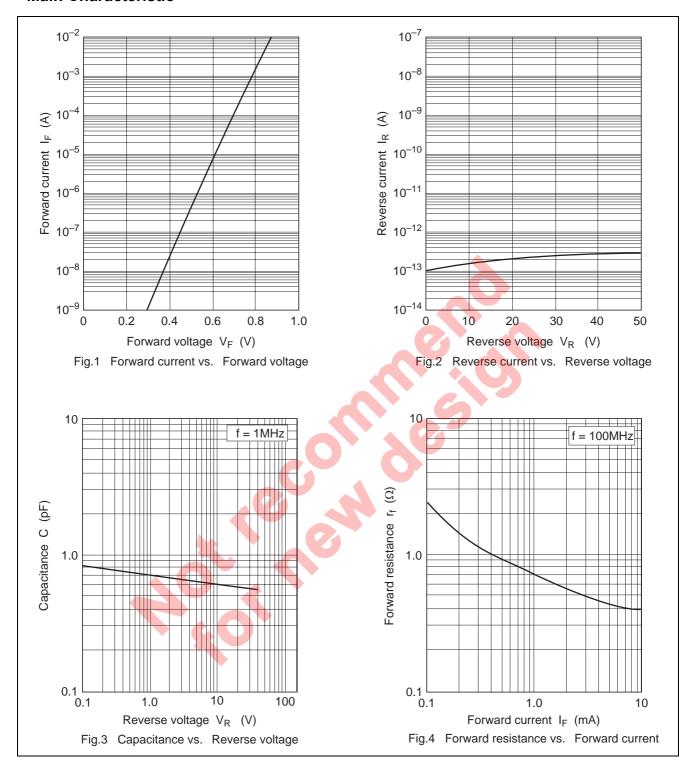
 $(Ta = 25^{\circ}C)$ 

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	_	_	0.8	pF	V <sub>R</sub> = 6 V, f = 1 MHz
Forward resistance	r <sub>f</sub>	_	_	0.7	Ω	I <sub>E</sub> = 2 mA, f = 100 MHz

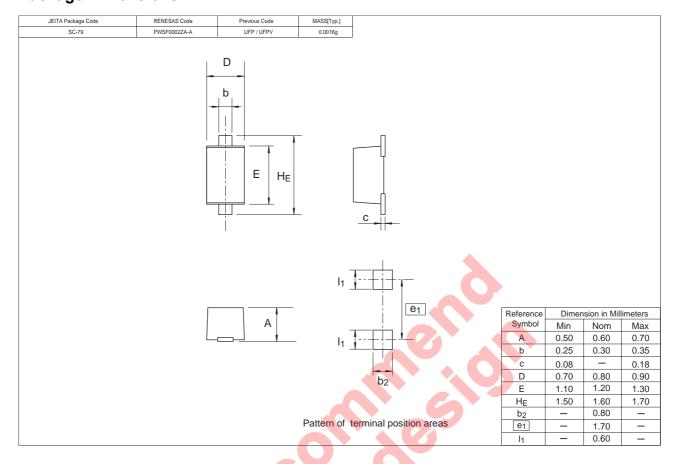


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#### **Main Characteristic**



## **Package Dimensions**





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Renesas Technology Europe Limited
Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, U.K. Tel: <44> (1628) 585-100, Fax: <44> (1628) 585-900

Renesas Technology Hong Kong Ltd.
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Renesas Technology (Shanghai) Co., Ltd. Unit2607 Ruijing Building, No.205 Maoming Road (S), Shanghai 200020, China Tel: <86> (21) 6472-1001, Fax: <86> (21) 6415-2952

Renesas Technology Singapore Pte. Ltd.

1 Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632
Tel: <65> 6213-0200, Fax: <65> 6278-8001