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April 1st, 2010 Renesas Electronics Corporation

Issued by: Renesas Electronics Corporation (http://www.renesas.com)

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RKS152KK

Silicon Epitaxial Planar Diode for UHF/VHF tuner Band Switch

REJ03G1872-0100 Rev.1.00 Jan 28, 2010

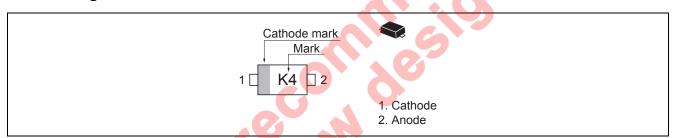
Features

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

Ordering Information

Part No	Laser Mark	Package Name	Package Code	Taping Abbreviation (Quantity)
RKS152KK R	K4	SFP	PUSF0002ZB-A	R (8,000 pcs / reel)

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	150	°C
Storage temperature	Tstg	-55to +150	°C

Electrical Characteristics

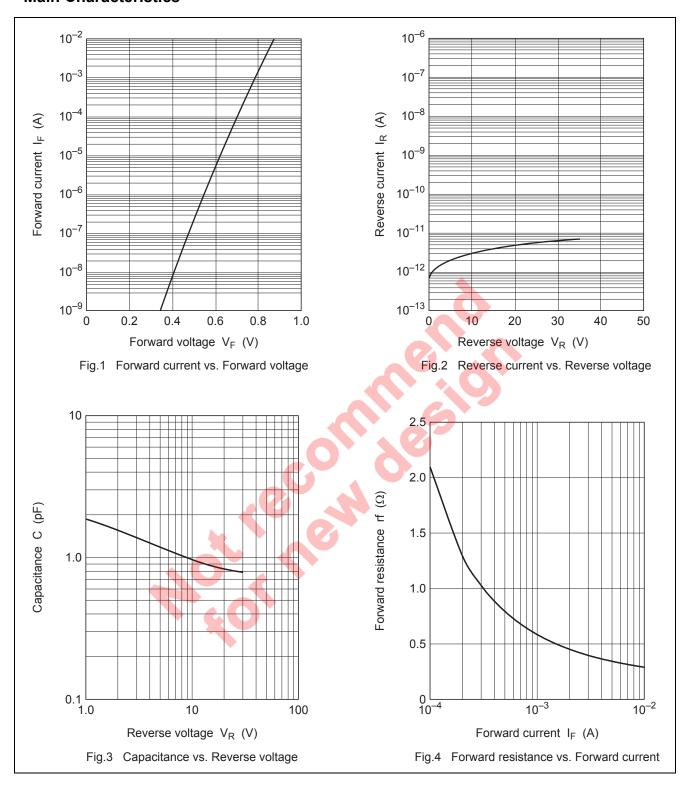
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V_{F}	_	_	1.0	V	I _F = 10 mA
Reverse current	I _R	_	_	50	nA	V _R = 30 V
Capacitance	C _{1.5}	1.5	_	1.9	pF	V _R = 1.5 V, f = 1 MHz
	C ₂₅	0.70	_	1.0	pF	V _R = 25 V, f = 1 MHz
Forward resistance	r _f	_	_	0.7	Ω	I _F = 2 mA, f = 100 MHz

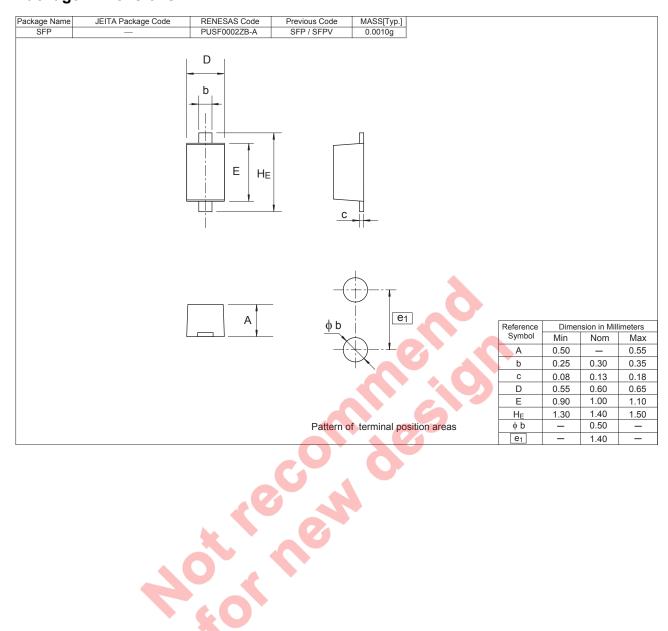
Note: For SFP package, the material of lead is exposed for cutting plane. There for, soldering nature of lead tip part is considered as unquestioned. Please kindly consider soldering nature.



Main Characteristics



Package Dimensions



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