

RKS150KK

Silicon Epitaxial Planar Diode for UHF/VHF tuner Band Switch

REJ03G1292-0100

Rev.1.00

Nov 07, 2005

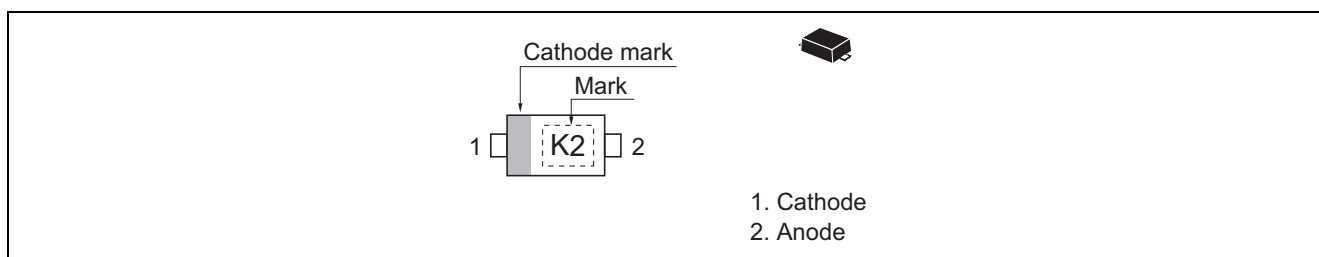
Features

- Low forward resistance. ($r_f = 0.7 \Omega$ 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°C)

Item	Symbol	Value	Unit
Reverse voltage	V_R	35	V
Power dissipation	P_d	150	mW
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

Electrical Characteristics

(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse current	I_R	—	—	50	nA	$V_R = 25\text{ V}$
Forward voltage	V_F	—	—	1.0	V	$I_F = 10\text{ mA}$
Capacitance	C	—	—	1.2	pF	$V_R = 6\text{ V}$, $f = 1\text{ MHz}$
Forward resistance	r_f	—	—	0.7	Ω	$I_F = 2\text{ mA}$, $f = 100\text{ MHz}$

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

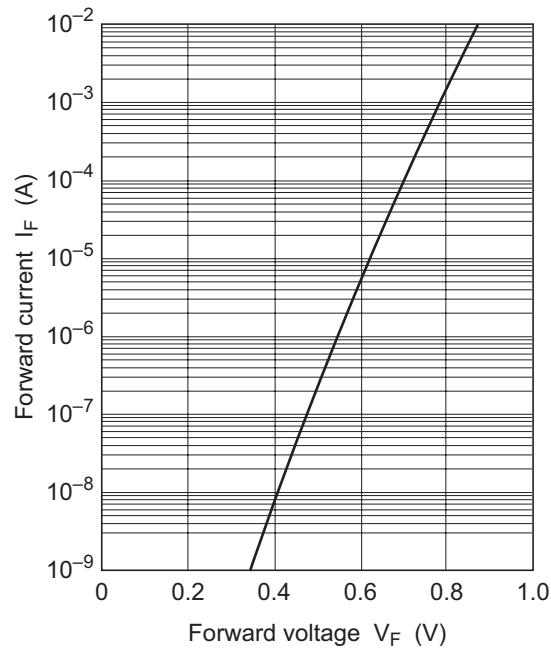


Fig.1 Forward current vs. Forward voltage

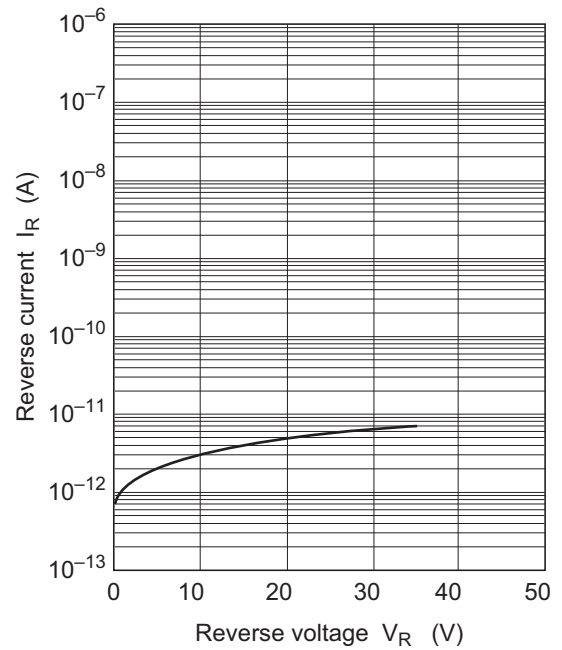


Fig.2 Reverse current vs. Reverse voltage

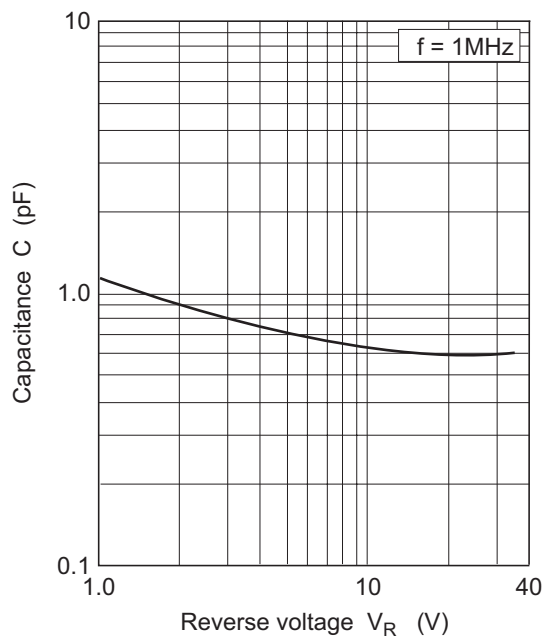


Fig.3 Capacitance vs. Reverse voltage

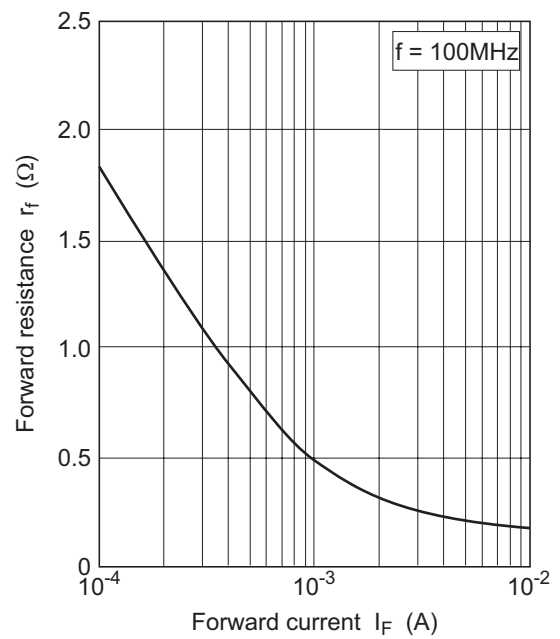
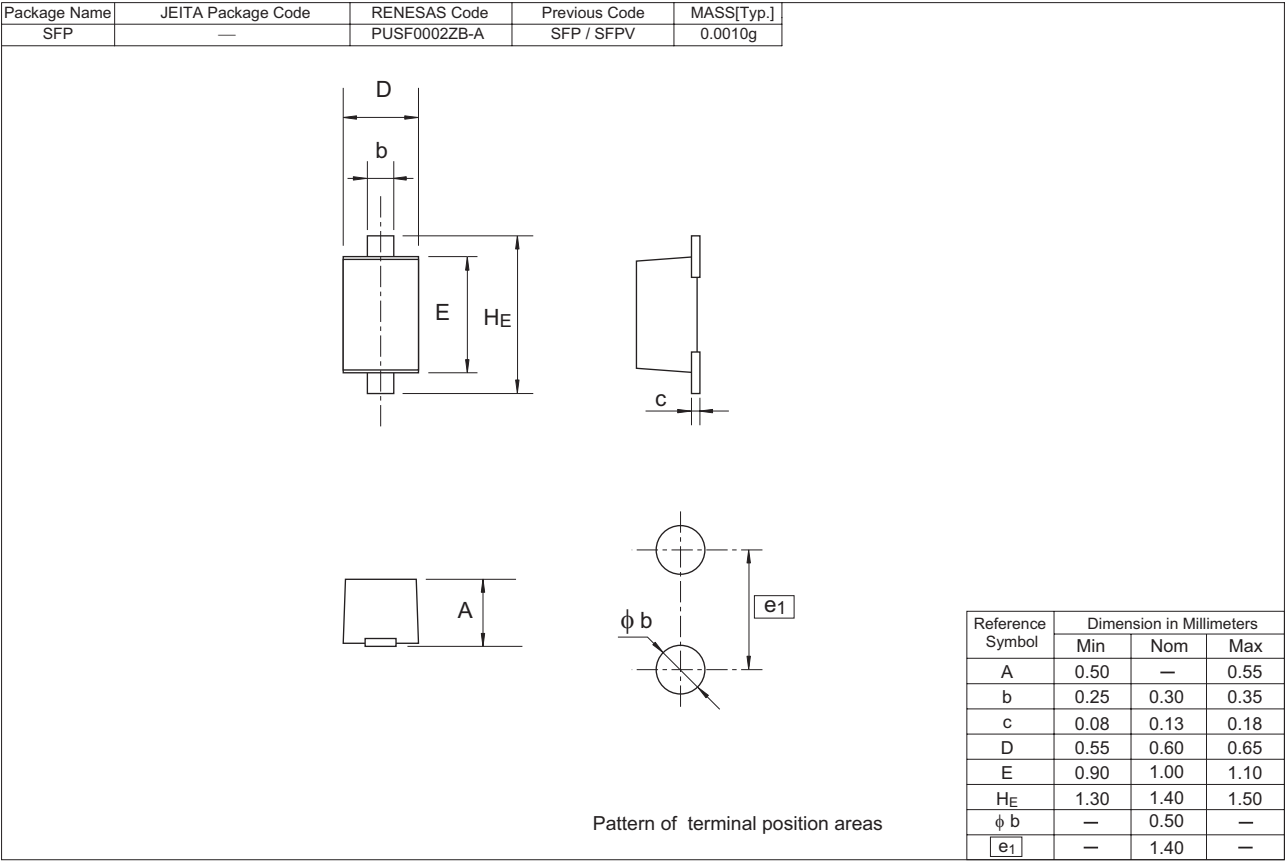


Fig.4 Forward resistance vs. Forward current

Package Dimensions



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