

RKS1500DKK

Silicon Epitaxial Planar Diode for UHF/VHF tuner Band Switch

REJ03G0400-0100

Rev.1.00

Oct 14, 2004

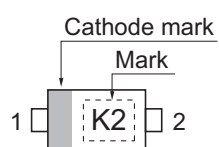
Features

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

Ordering Information

Type No.	Laser Mark	Package Code
RKS1500DKK	K2	SFP

Pin Arrangement



1. Cathode
2. Anode

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	$I_F = 2\text{ mA}$, $f = 100\text{ MHz}$

Notes: 1. Please do not use the soldering iron due to avoid high stress to the SFP package.

2. 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

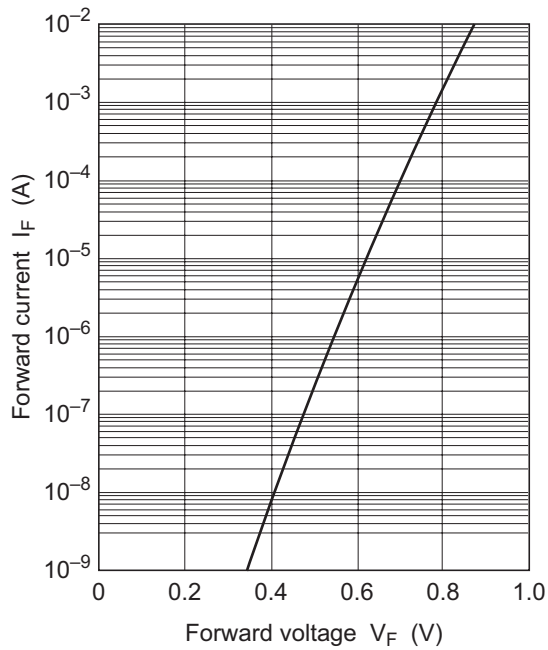


Fig.1 Forward current vs. Forward voltage

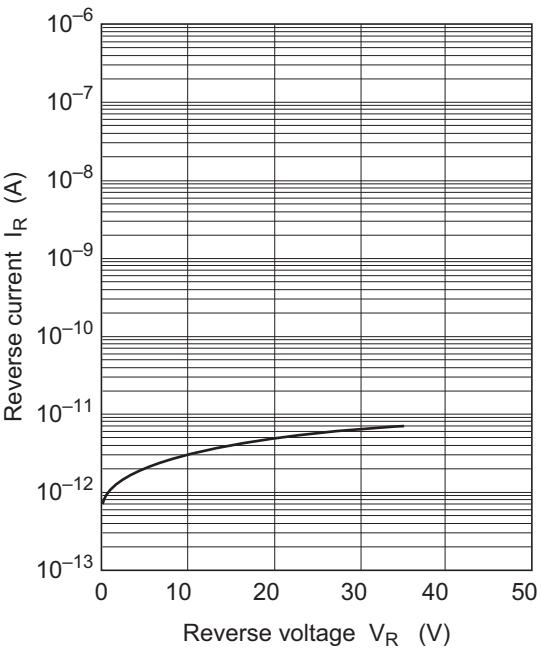


Fig.2 Reverse current vs. Reverse voltage

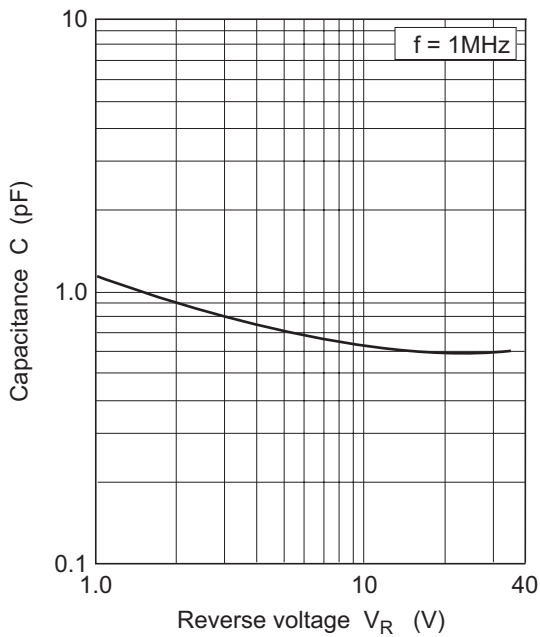


Fig.3 Capacitance vs. Reverse voltage

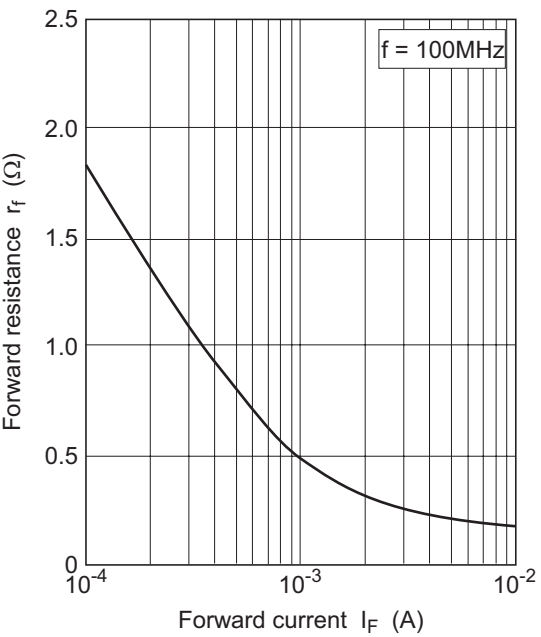
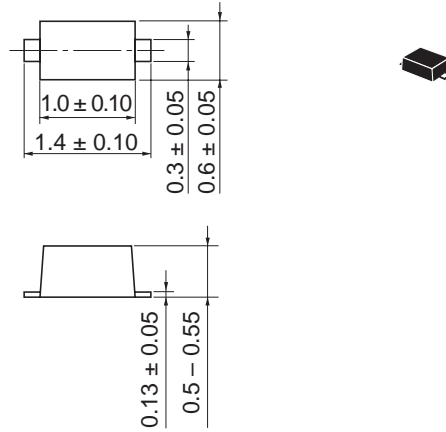


Fig.4 Forward resistance vs. Forward current

Package Dimensions

As of January, 2003
Unit: mm



Package Code	SFP
JEDEC	—
JEITA	—
Mass (reference value)	0.0010 g

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