

# RKP350KV

# Silicon Epitaxial Planar Diode for Antenna Switch

REJ03G1861-0100 Rev.1.00 Nov 19, 2009

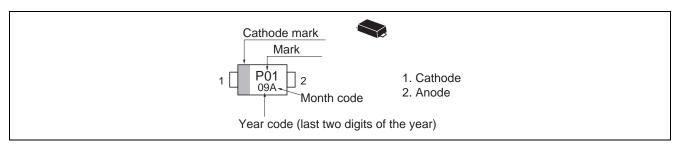
#### **Features**

- Suitable for an antenna switches of SPDT (Single-pole / Double-Throw switch).
- Low forward resistance. (rf =  $0.5 \Omega \text{ max}$ )
- Small Resin Package Flat lead type (SRP-F) is suitable for compact and high-density surface mount design.

## **Ordering Information**

Part No	Laser Mark	Package Name	Package Code	Taping Abbreviation (Quantity)
RKP350KV P	P01	SRP-F	PWSF0002ZB-A	P (3,000 pcs / reel)

# **Pin Arrangement**



#### **Month Code**

Month of Manufacture	Assemble	
Worth of Wallulacture	JAPAN	
January	Α	
February	В	
March	С	
April	D	
May	E	
June	F	

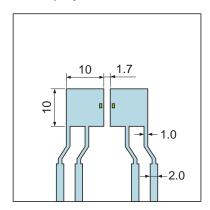
Month of Manufacture	Assemble	
Worth of Wallufacture	JAPAN	
July	G	
August	Н	
September	J	
October	K	
November	L	
December	М	

# **Absolute Maximum Ratings**

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

Item	Symbol	Value	Unit
Reverse voltage	$V_R$	50	V
Power dissipation	Pd *1	700	mW
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-55 to +150	°C

Note: 1. Glass epoxy board:  $50h \times 50w \times 1.6t$  (mm)

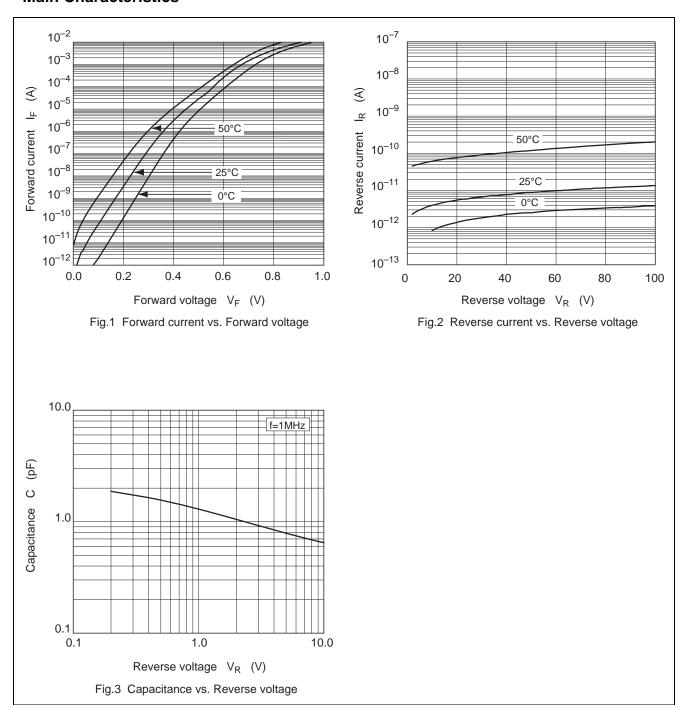


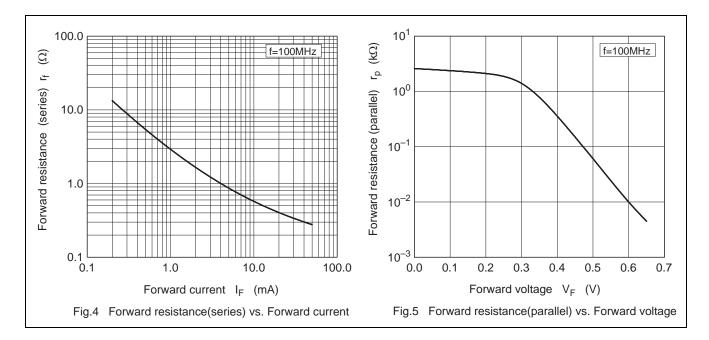
## **Electrical Characteristics**

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

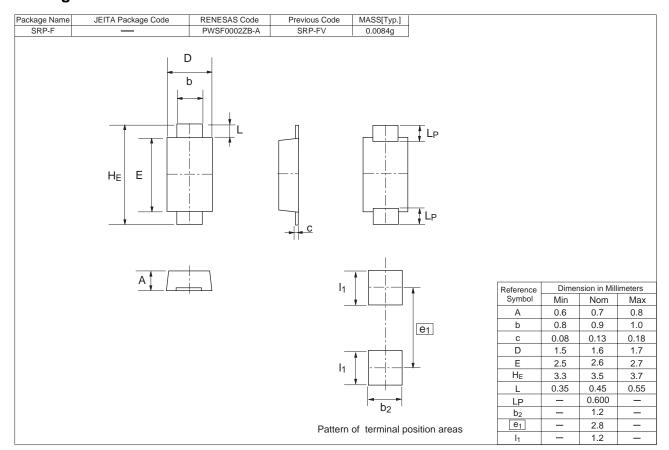
Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	$V_{F}$	_	_	1.0	V	I <sub>F</sub> = 50 mA
Reverse current	I <sub>R</sub>	_	_	10	μΑ	V <sub>R</sub> = 50 V
Capacitance	С	-	-	1.7	pF	V <sub>R</sub> = 1 V, f = 1 MHz
Forward resistance (series resistance)	r <sub>f</sub>			0.5	Ω	I <sub>F</sub> = 50 mA, f = 100 MHz
Forward resistance (parallel resistance)	r <sub>p</sub>	1.5			kΩ	V <sub>R</sub> = 0 V, f = 100 MHz

## **Main Characteristics**





# **Package Dimensions**



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