

# RKD706KV

R07DS0411EJ0100

Silicon Schottkey Barrier Diode for back flow protect

Rev.1.00

May 16, 2011

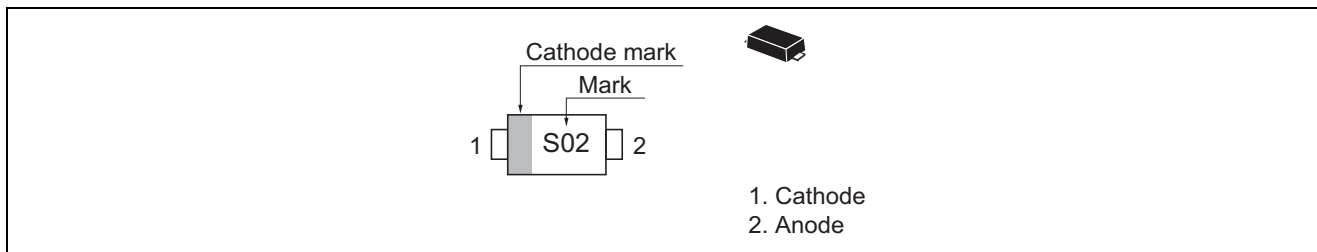
## Features

- Low reverse current and suitable for high efficiency rectifying.
- Halogen free, environmental friendly package includes conformity to RoHS directive.
- 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)
RKD706KV P	S02	SRP-F	PWSF0002ZB-A	P (3,000 pcs / reel)

## Pin Arrangement



## Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Value	Unit
Reverse voltage	$V_R$	30	V
Forward current	$I_F$	35	mA
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 voltage	$V_R$	30	—	—	V	$I_R = 10\mu A$
Reverse current	$I_R$	—	—	10	nA	$V_R = 13V$
Forward voltage	$V_F$	—	—	0.70	V	$I_F = 10mA$
Capacitance	C	—	—	1.2	pF	$V_R = 0V, f = 1MHz$
ESD-Capability *	—	10	—	—	V	C = 200pF, Both forward and reverse direction 1 pulse.

Note: 1. Failure criterion ;  $I_R > 20$  nA at  $V_R = 13$  V

## Main Characteristics

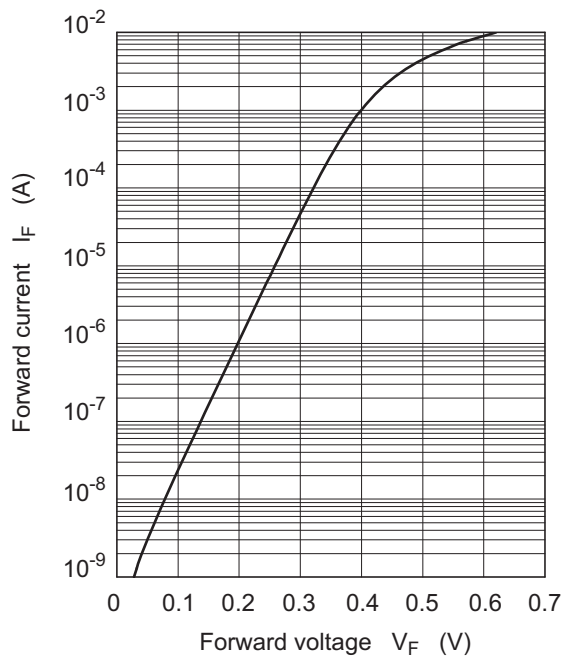


Fig.1 Forward current vs. Forward voltage

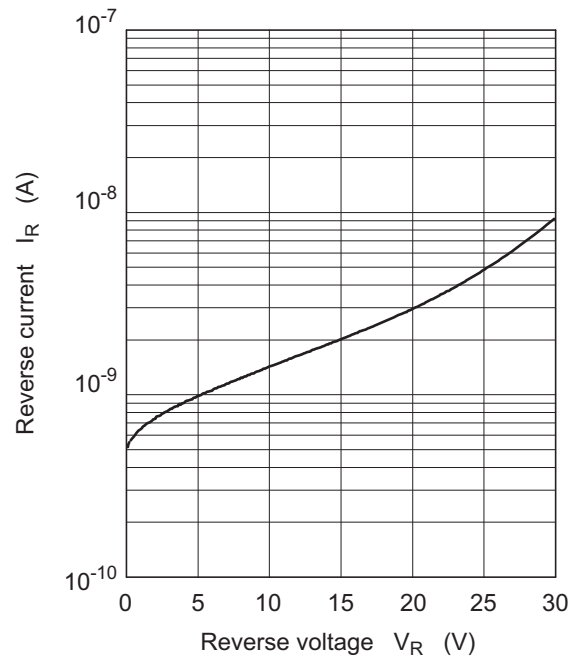


Fig.2 Reverse current vs. Reverse voltage

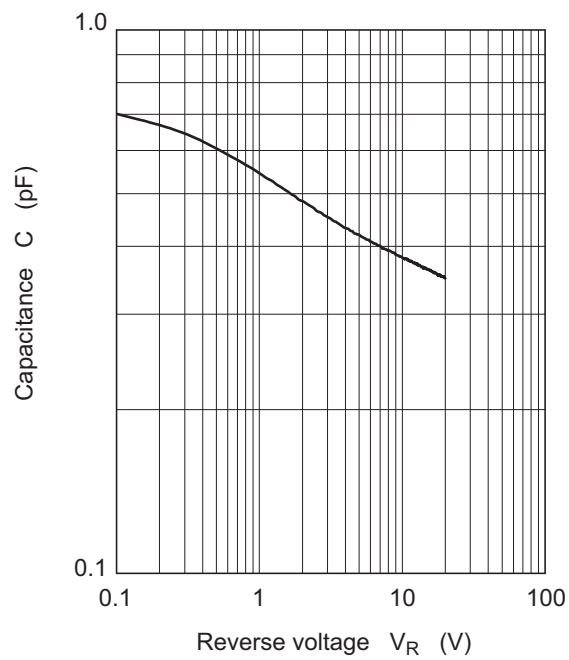
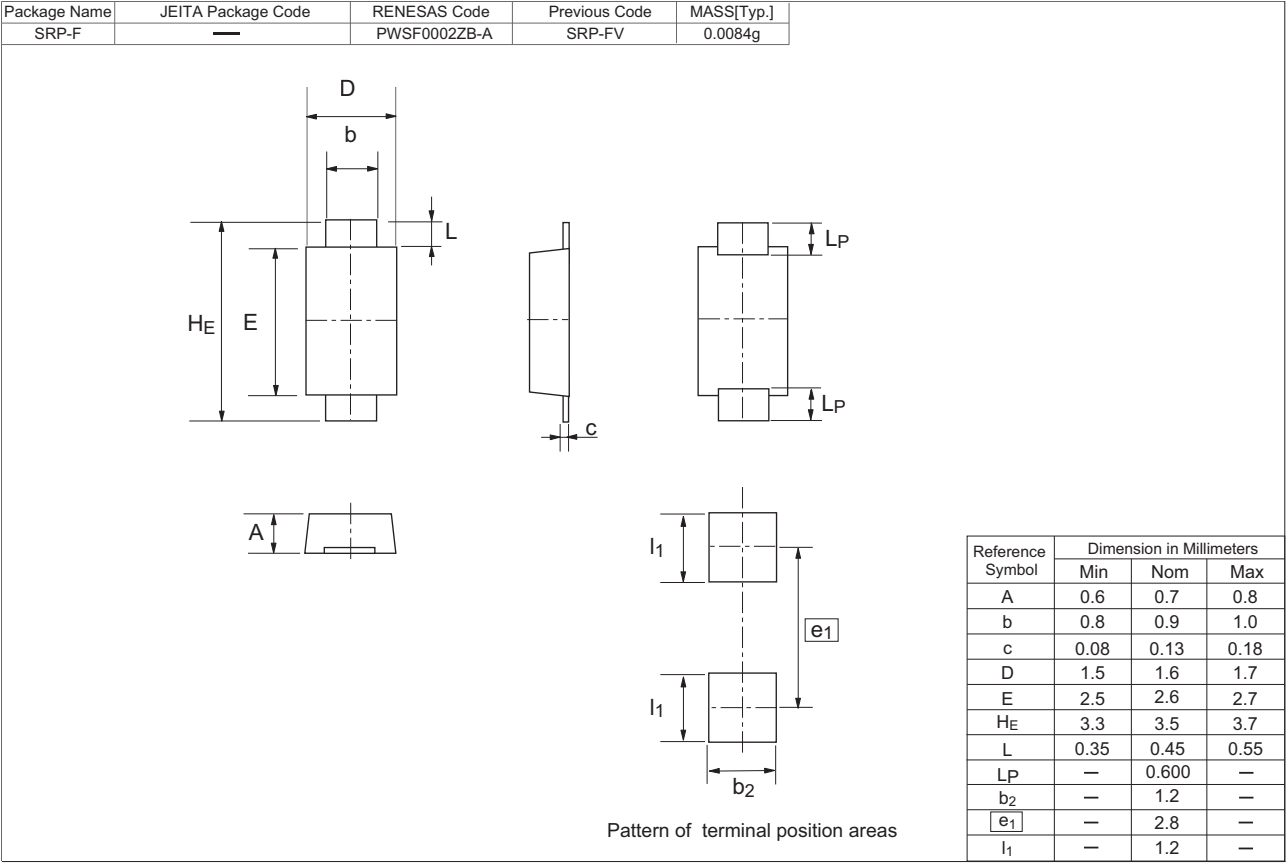


Fig.3 Capacitance vs. Reverse voltage

Package Dimensions



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