

RKD700KJ

Silicon Schottky Barrier Diode for Backflow prevention

REJ03G1301-0100 Rev.1.00 Oct 24, 2005

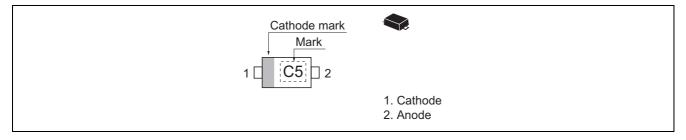
Features

- Low reverse current, Low capacitance.
- Ultra small Flat Lead Package (UFP) is suitable for surface mount design.

Ordering Information

Type No.	Cathode Mark	Package Name	Package Code (Previous Code)
RKD700KJ	C5	UFP	PWSF0002ZA-A (UFP)

Pin Arrangement





Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$
Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V _{RRM}	30	V
Reverse voltage	V _R	30	V
Non-Repetitive peak forward surge current	I _{FSM} *	200	mA
Average rectified current	lo	50	mA
Junction temperature	Tj	125	۵°
Storage temperature	Tstg	-55 to +125	۵°
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Note: 10 ms Sinewave 1 pulse

Electrical Characteristics

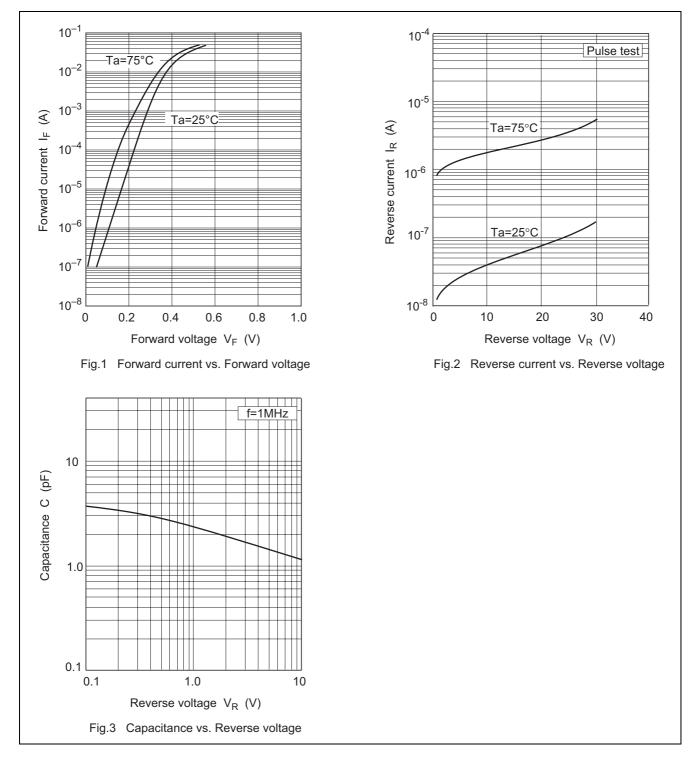
 $(Ta = 25^{\circ}C)$

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	_	0.11	0.14	V	$I_F = 1 \ \mu A$
	V _{F2}	_	—	0.33		I _F = 1 mA
	V _{F3}	_	—	0.43		I _F = 10 mA
Reverse current	I _{R1}	_	—	45	nA	$V_R = 3 V$
	I _{R2}	_	—	1	μA	V _R = 30 V
Capacitance	С	_	_	2.8	pF	$V_{R} = 1 V, f = 1 MHz$

Note: 1. For UFP 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.

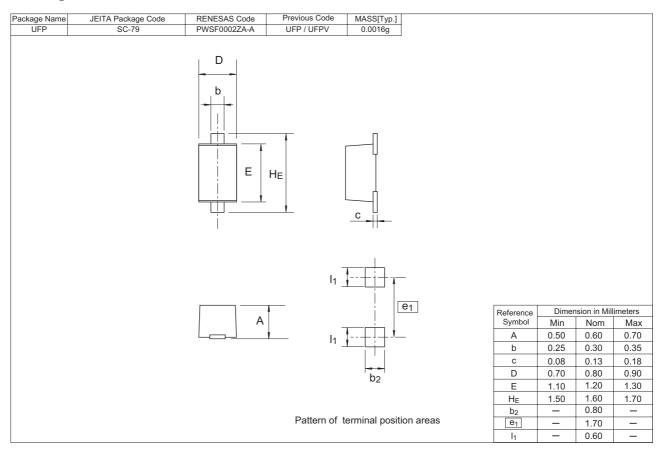


Main Characteristic





Package Dimensions





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Renesas Technology Malaysia Sdn. Bhd Unit 906, Block B, Menara Amcorp, Amcorp Trade Centre, No.18, Jalan Persiaran Barat, 46050 Petaling Jaya, Selangor Darul Ehsan, Malaysia Tel: <603> 7955-9390, Fax: <603> 7955-9510

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