

HSC226

Silicon Schottky Barrier Diode for High Speed Switching

REJ03G0599-0300 Rev.3.00 Sep 15, 2006

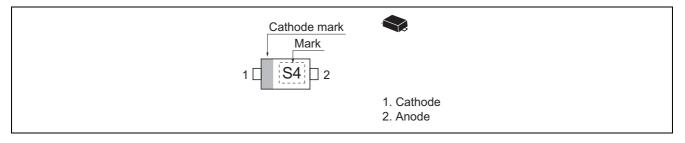
Features

- 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
HSC226	S4	UFP	PWSF0002ZA-A

Pin Arrangement





Absolute Maximum Ratings

	$(Ta = 25^{\circ}C)$		
Symbol	Value	Unit	
V _{RRM}	25	V	
I _{FSM} *	200	mA	
lF	50	mA	
Тј	125	°C	
Tstg	-55 to +125	°C	
	V _{RRM} I _{FSM} * I _F Tj	V _{RRM} 25 I _{FSM} * 200 I _F 50 Tj 125	

Note: 10 ms Sine wave 1 pulse

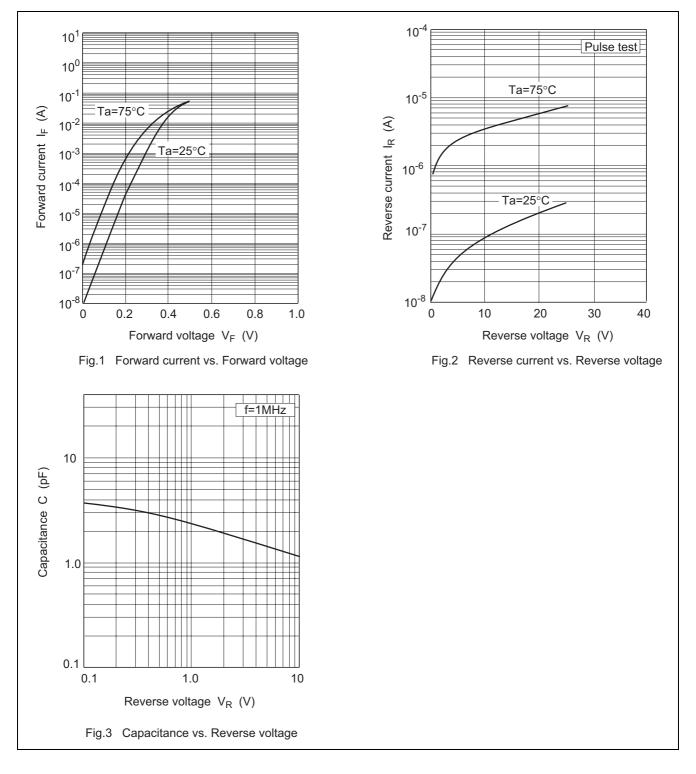
Electrical Characteristics

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

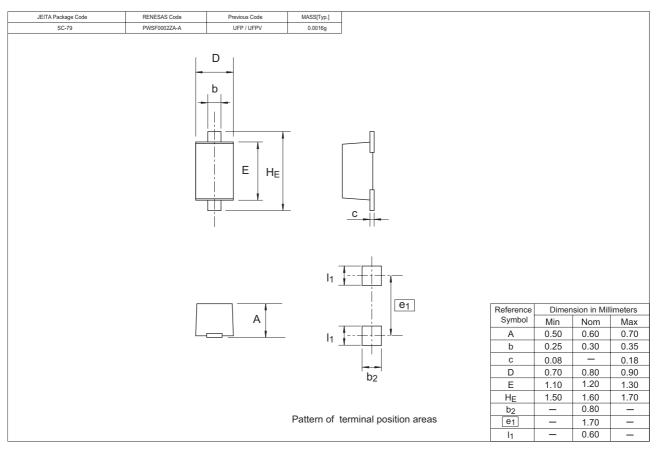
ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	_	—	0.33	V	I _F = 1 mA
	V _{F2}	—	—	0.38		$I_F = 5 \text{ mA}$
Reverse current	I _R	—	—	450	nA	V _R = 20 V
Capacitance	С	_	—	2.80	pF	$V_R = 1 V, f = 1 MHz$



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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