

HSC226

Silicon Schottky Barrier Diode for High Speed Switching

REJ03G0599-0300 Rev.3.00 Sep 15, 2006

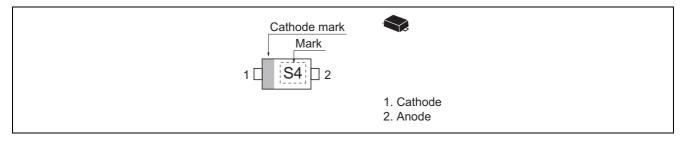
Features

- 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
IF	50	mA
Tj	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

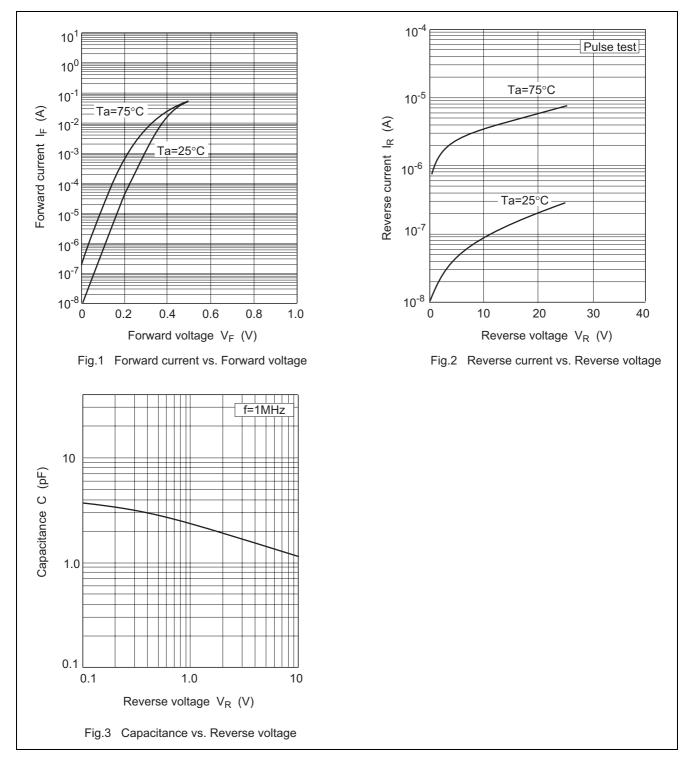
Electrical Characteristics

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

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	$V_{R} = 1 V, f = 1 MHz$

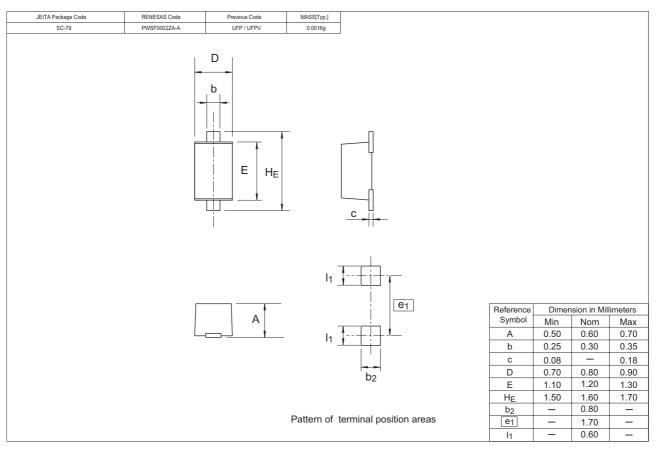


Main Characteristic





Package Dimensions





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