

HRC0103C

Silicon Schottky Barrier Diode for Rectifying

REJ03G0069-0200 Rev.2.00 Apr 08, 2008

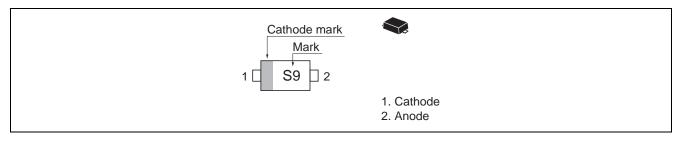
Features

- Low reverse voltage drop and suitable for high efficiency reverse current.
- Ultra small Flat Package (UFP) is suitable for surface mount design.

Ordering Information

Part No.	Laser Mark	Package Name	Package Code PWSF0002ZA-A	
HRC0103C	S9	UFP		

Pin Arrangement



Absolute Maximum Ratings

			$(Ta = 25^{\circ}C)$
Item	Symbol	Value	Unit
Peak reverse voltage	V _{RM} * ¹	30	V
Reverse voltage	V _R	30	V
Average rectified current	l ₀ * ¹	100	mA
Peak forward surge current	I _{FM}	300	mA
Non-Repetitive peak forward surge current	I _{FSM} * ²	1	А
Junction temperature	Тј	125	°C
Storage temperature	Tstg	-55 to +125	٥C

Notes: 1. See from Fig.3 to Fig.5.

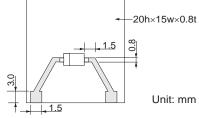
2. 10 ms sine wave 1 pulse.

Electrical Characteristics

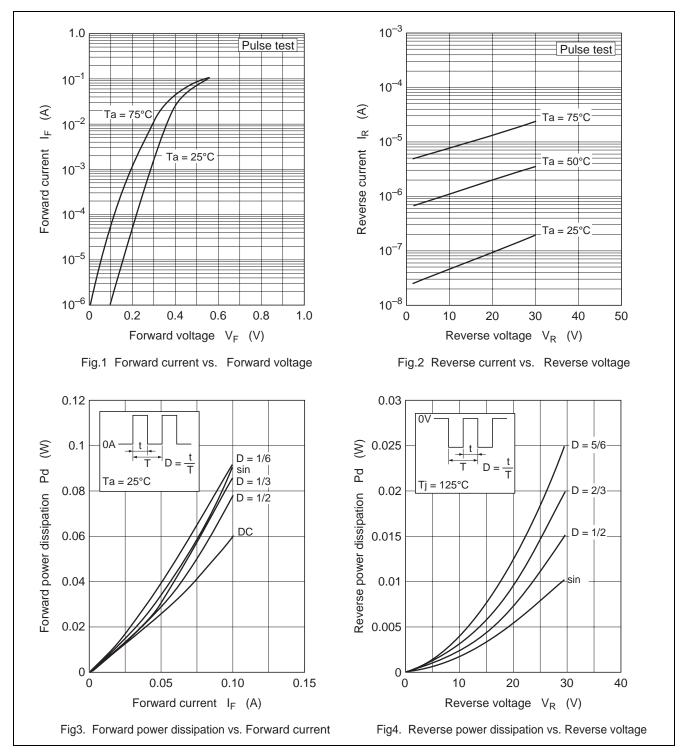
 $(Ta = 25^{\circ}C)$

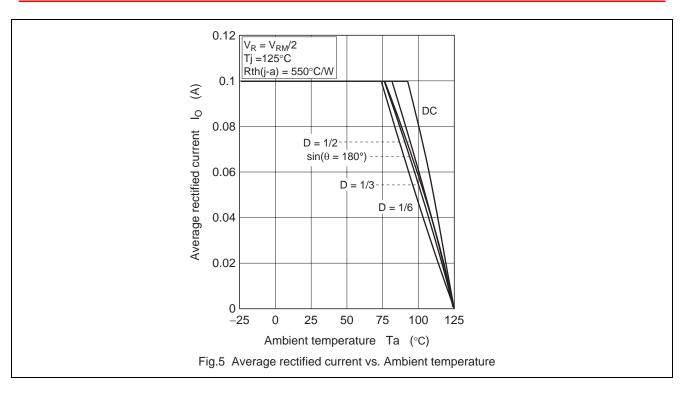
ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}	—	-	0.40	V	I _F = 10 mA
	V _{F2}	—	-	0.60	V	I _F = 100 mA
Reverse current	I _{R1}	—	-	0.1	μA	V _R = 5 V
	I _{R2}	—	-	0.2		V _R = 10 V
Capacitance	С	—	-	8.0	pF	$V_R = 0.5 V, f = 1 MHz$
Thermal resistance	Rth(j-a)		550		°C/W	Polyimide board *1

Note: 1. Polyimide board

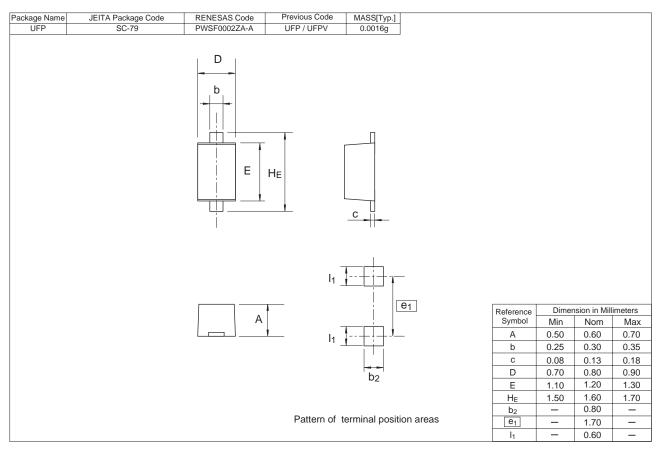


Main Characteristic





Package Dimensions



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