RENESAS

HRW0703A

Silicon Schottky Barrier Diode for Rectifying

REJ03G0160-0600Z (Previous: ADE-208-110E) Rev.6.00 Jan.06.2004

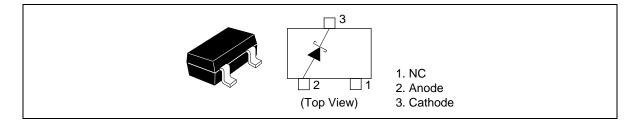
Features

- Low forward voltage drop and suitable for high efficiency rectifying.
- MPAK Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Туре No.	Laser Mark	Package Code
HRW0703A	S8	МРАК

Pin Arrangement





Absolute Maximum Ratings

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

Item	Symbol	Value	Unit	
Repetitive peak reverse voltage	V _{RRM} *1	30	V	
Forward current	l _F * ¹	700	mA	
Non-Repetitive peak forward surge current	FSM *2	5	A	
Junction temperature	Тј	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

Notes: 1. See from Fig.4 to Fig.7.

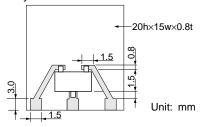
2. 50 Hz sine wave 1 pulse

Electrical Characteristics

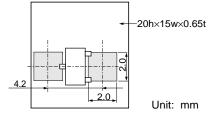
 $(Ta = 25^{\circ}C)$

ltem	Symbol	Min	Тур	Мах	Unit	Test Condition
Forward voltage	V _F	_	_	0.5	V	I _F = 700 mA
Reverse current	I _R	_	_	100	μΑ	V _R = 30 V
Capacitance	С	_	150	_	pF	$V_{R} = 0 V, f = 1 MHz$
Thermal resistance	Rth1(j-a)	_	390		°C/W	Polyimide board ¹
	Rth2(j-a)	_	290	—	°C/W	Ceramic board ^{*2}

Notes: 1. Polyimide board



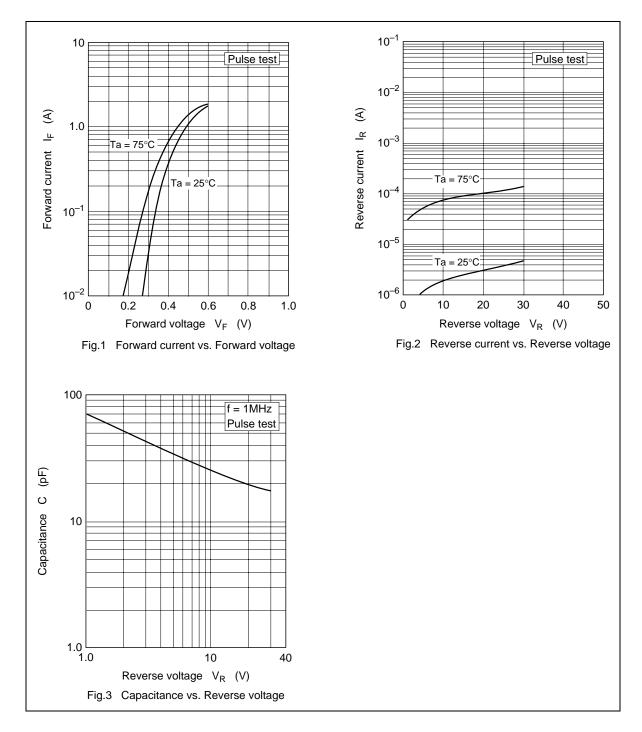
2. Ceramic board





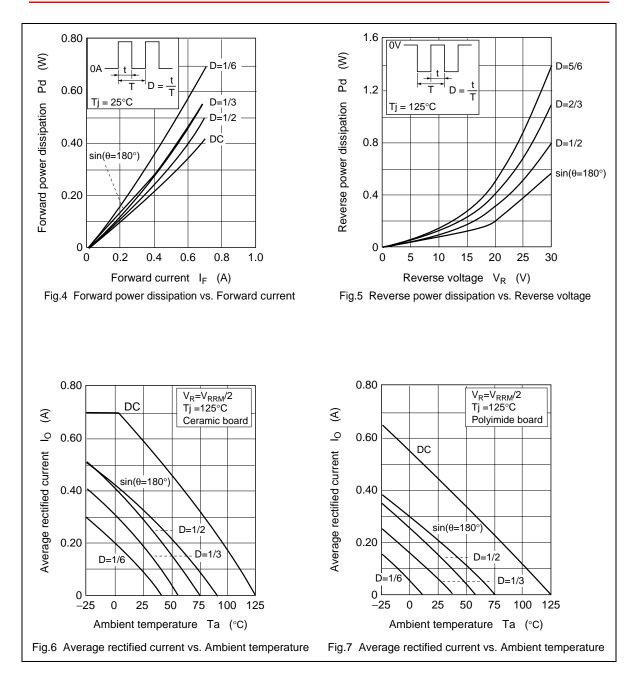
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Main Characteristic





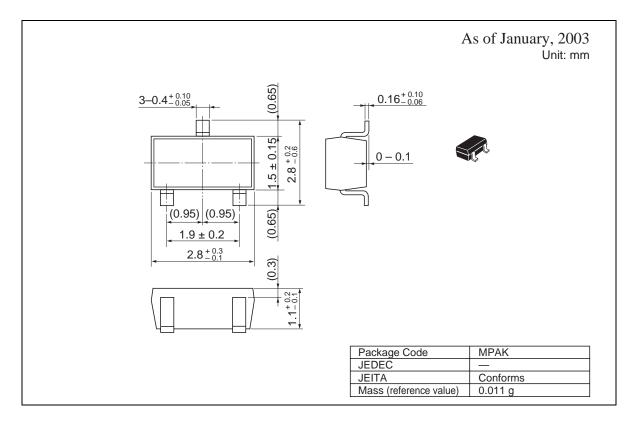
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Package Dimensions





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