

# **HRW0703A**

## Silicon Schottky Barrier Diode for Rectifying

REJ03G0160-0600Z

(Previous: ADE-208-110E)

Rev.6.00 Jan.06.2004

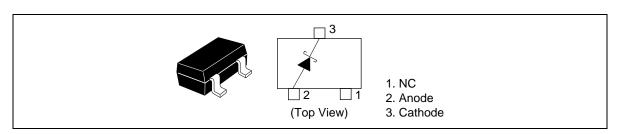
#### **Features**

- 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**

Type No.	Laser Mark	Package Code
HRW0703A	S8	MPAK

## **Pin Arrangement**



## **Absolute Maximum Ratings**

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

Item	Symbol	Value	Unit	
Repetitive peak reverse voltage	V <sub>RRM</sub> *1	30	V	
Forward current	*1	700	mA	
Non-Repetitive peak forward surge current	FSM *2	5	Α	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

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

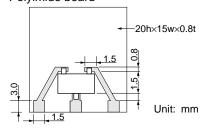
2. 50 Hz sine wave 1 pulse

### **Electrical Characteristics**

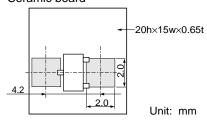
 $(Ta = 25^{\circ}C)$ 

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V <sub>F</sub>	_	_	0.5	V	I <sub>F</sub> = 700 mA
Reverse current	I <sub>R</sub>	_	_	100	μΑ	V <sub>R</sub> = 30 V
Capacitance	С	_	150	_	pF	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$
Thermal resistance	Rth1(j-a)	_	390	_	°C/W	Polyimide board *1
	Rth2(j-a)	_	290	_	°C/W	Ceramic board *2

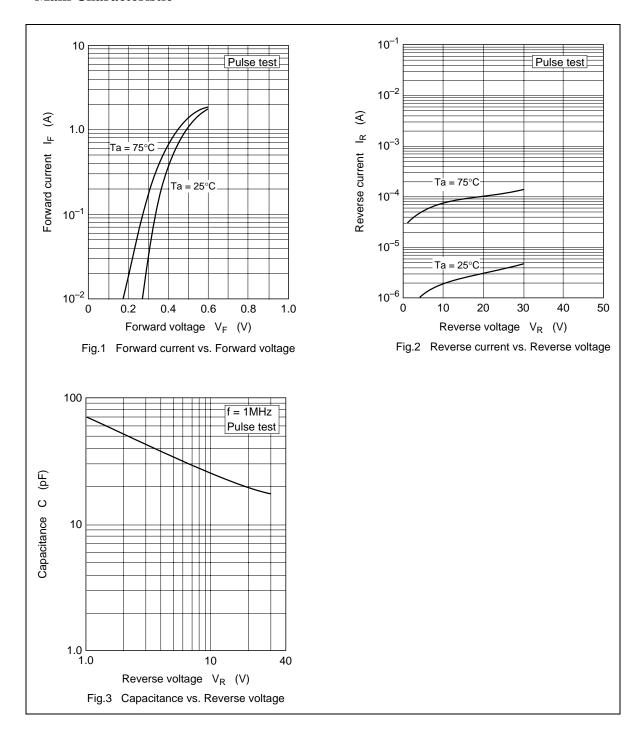
Notes: 1. Polyimide board

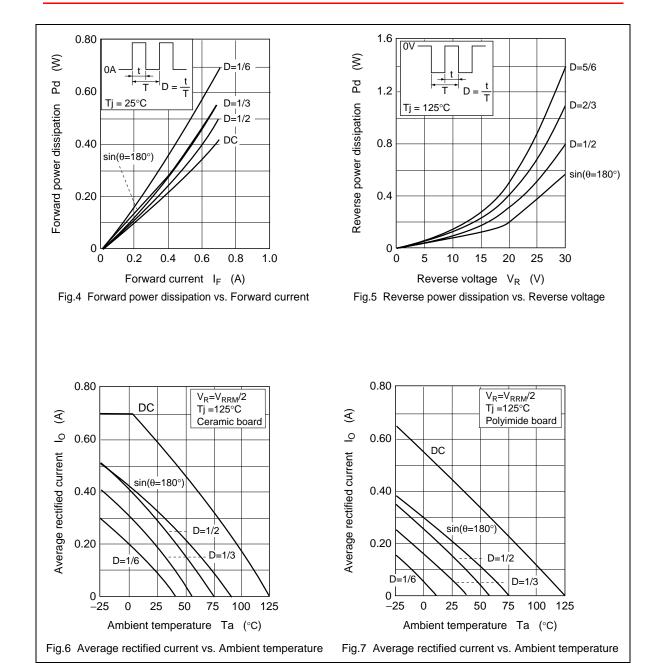


#### 2. Ceramic board

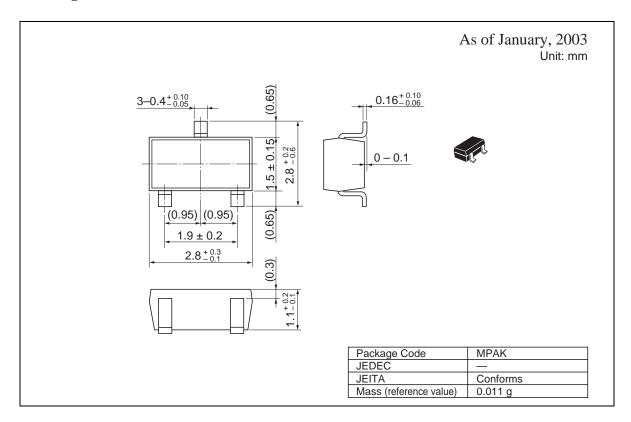


#### **Main Characteristic**





## **Package Dimensions**



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