

HSM88WA

Silicon Schottky Barrier Diode for Detector and Mixer

REJ03G0137-0500Z

(Previous: ADE-208-048D)

Rev.5.00

Nov.06.2003

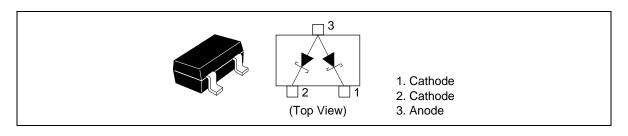
Features

- Proof against high voltage.
- MPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HSM88WA	C7	MPAK

Pin Arrangement



HSM88WA

Absolute Maximum Ratings

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

Item	Symbol	Value	Unit	
Reverse voltage	V_R	10	V	
Average rectified current	l ₀ * ¹	15	mA	
Junction temperature	Tj	125	°C	
Storage temperature	Tstg	-55 to +125	°C	

Note: 1. Per one device

Electrical Characteristics *1

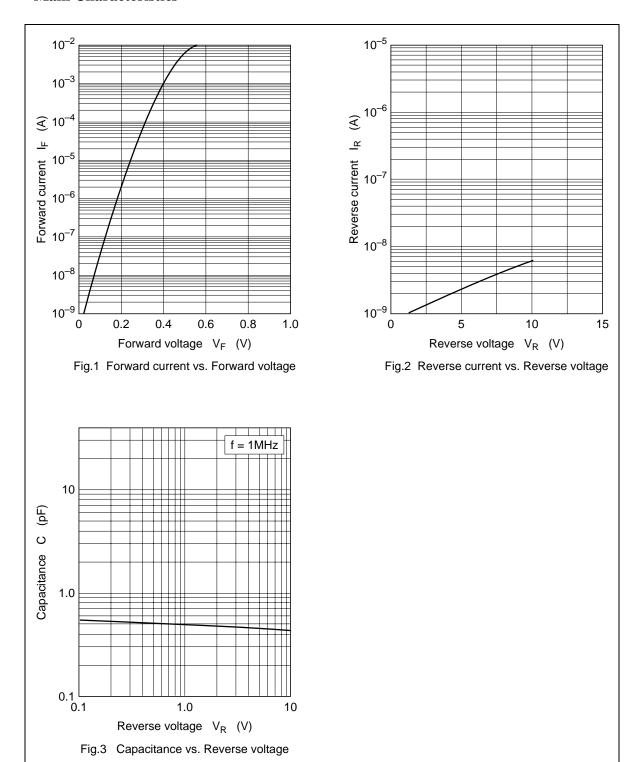
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V_{F1}	0.35	_	0.42	V	$I_F = 1 \text{ mA}$
	V _{F2}	0.50	_	0.58	='	I _F = 10 mA
Reverse current	I _{R1}	_	_	0.2	μΑ	V _R = 2 V
	I _{R2}	_	_	10	='	V _R = 10 V
Capacitance	С	_	_	0.85	рF	V _R = 0 V, f = 1 MHz
Capacitance deviation	ΔC	_	_	0.10	рF	$V_R = 0 V, f = 1 MHz$
Forward voltage deviation	ΔV_{F}	_	_	10	mV	I _F = 10 mA
ESD-Capability *2	_	30	_	_	V	$C = 200 \text{ pF}, R = 0 \Omega$, Both forward and reverse direction 1 pulse.

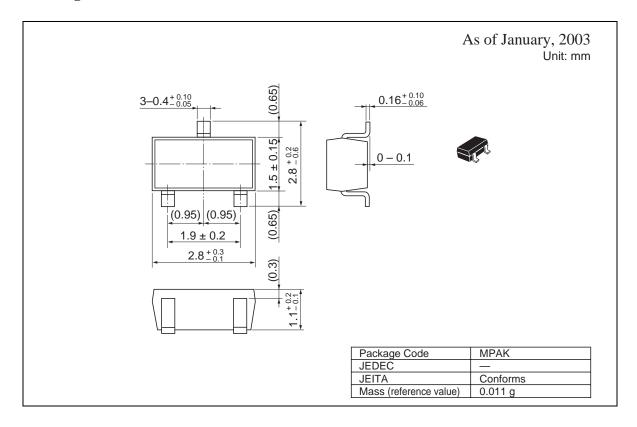
Notes: 1. Per one device

2. Failure criterion ; $I_R \geq 0.4~\mu\text{A}$ at V_R = 2 V

Main Characteristics



Package Dimensions



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Dukes Meadow, Millboard Road, Bourne End, Buckinghamshire, SL8 5FH, United Kingdom Tel: <44> (1628) 585 100, Fax: <44> (1628) 585 900

Renesas Technology Europe GmbH Dornacher Str. 3, D-85622 Feldkirchen, Germany Tel: <49> (89) 380 70 0, Fax: <49> (89) 929 30 11

Renesas Technology Hong Kong Ltd. 7/F., North Tower, World Finance Centre, Harbour City, Canton Road, Hong Kong Tel: <852> 2265-6688, Fax: <852> 2375-6836

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Renesas Technology (Shanghai) Co., Ltd. 26/F., Ruijin Building, No.205 Maoming Road (S), Shanghai 200020, China Tel: <86> (21) 6472-1001, Fax: <86> (21) 6415-2952

Renesas Technology Singapore Pte. Ltd.
1, Harbour Front Avenue, #06-10, Keppel Bay Tower, Singapore 098632 Tel: <65> 6213-0200, Fax: <65> 6278-8001

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