HSM226S

Silicon Schottky Barrier Diode for High speed switching

REJ03G0057-0100Z
Rev.1.00
Jan.21.2004

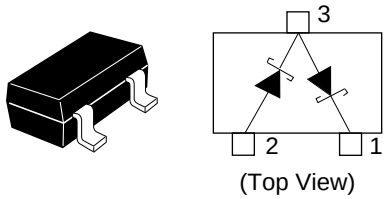
Features

- Low reverse current, Low capacitance.
- MPAK Package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HSM226S	S22	MPAK

Pin Arrangement



(Top View)

1. Cathode 2
2. Anode 1
3. Cathode 1
   Anode 2

Absolute Maximum Ratings

(Ta = 25°C)

Item	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	25	V
Non-Repetitive peak forward surge current	I_{FSM} *1 *2	200	mA
forward current	I_F *2	50	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	–55 to +125	°C

Notes: 1. 10 ms sine wave 1 pulse
2. Two device total

Electrical Characteristics

(Ta = 25°C)

Item	Symbol	Min	Typ	Max	Unit	Test Condition
Forward voltage	V_{F1}	—	—	0.33	V	I_F = 1 mA
	V_{F2}	—	—	0.38		I_F = 5 mA
Reverse current	I_R	—	—	0.45	μA	V_R = 20 V
Capacitance	C	—	—	2.80	pF	V_R = 1 V, f = 1 MHz

Note: Per one device

Main Characteristic

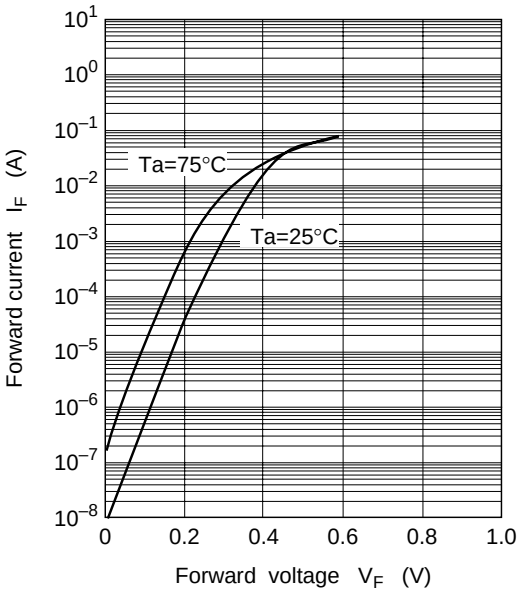


Fig.1 Forward current vs. Forward voltage

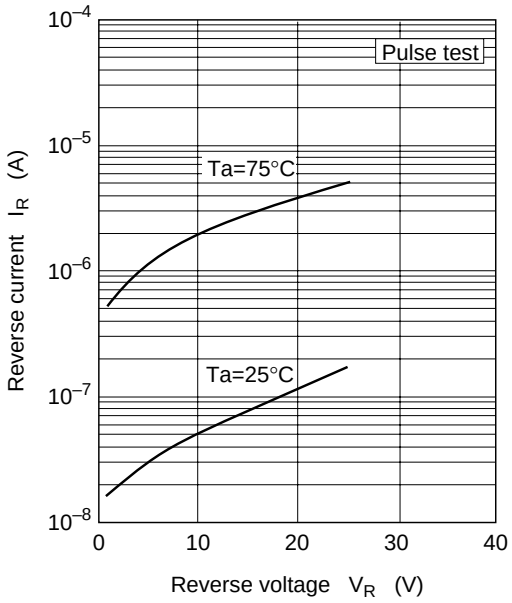


Fig.2 Reverse current vs. Reverse voltage

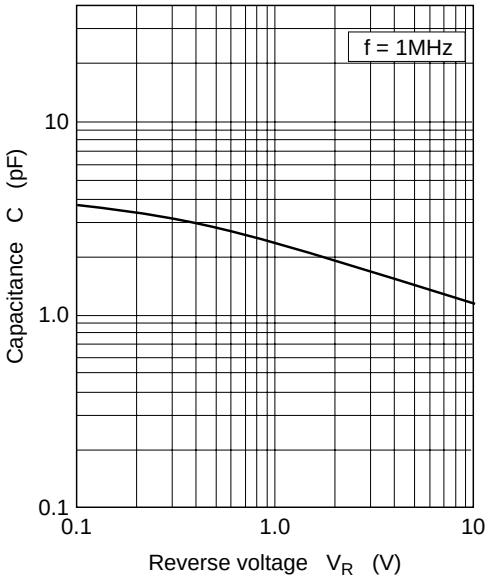
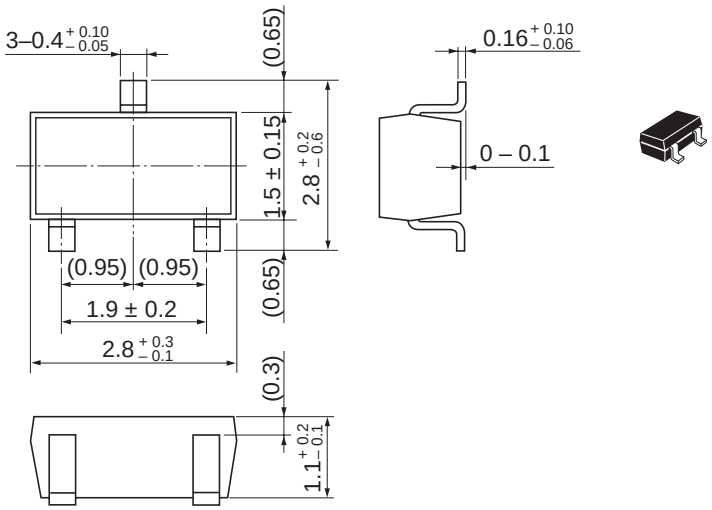


Fig.3 Capacitance vs. Reverse voltage

Package Dimensions

As of January, 2003

Unit: mm



Package Code	MPAK
JEDEC	—
JEITA	Conforms
Mass (reference value)	0.011 g

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Colophon 1.0