

HSM2836C

Silicon Epitaxial Planar Diode for High Speed Switching

REJ03G0554-0400 (Previous: ADE-208-030C) Rev.4.00 Mar 10, 2005

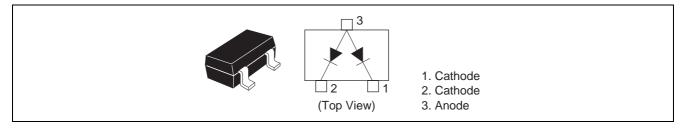
Features

- Fast recovery time.
- MPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Name	Package Code (Previous Code)
HSM2836C	A4	MPAK	PLSP0003ZC-A (MPAK)

Pin Arrangement





Absolute Maximum Ratings *1

			$(Ta = 25^{\circ}C)$
Item	Symbol	Value	Unit
Peak reverse voltage	V _{RM}	85	V
Reverse voltage	V _R	80	V
Peak forward current	I _{FM}	300	mA
Non-Repetitive peak forward surge current	I _{FSM} * ²	4	А
Average rectified current	lo	100	mA
Junction temperature	Тј	125	۵°
Storage temperature	Tstg	–55 to +125	°C

Notes: 1. Per one device.

2. Within 1 μ s forward surge current.

Electrical Characteristics *1

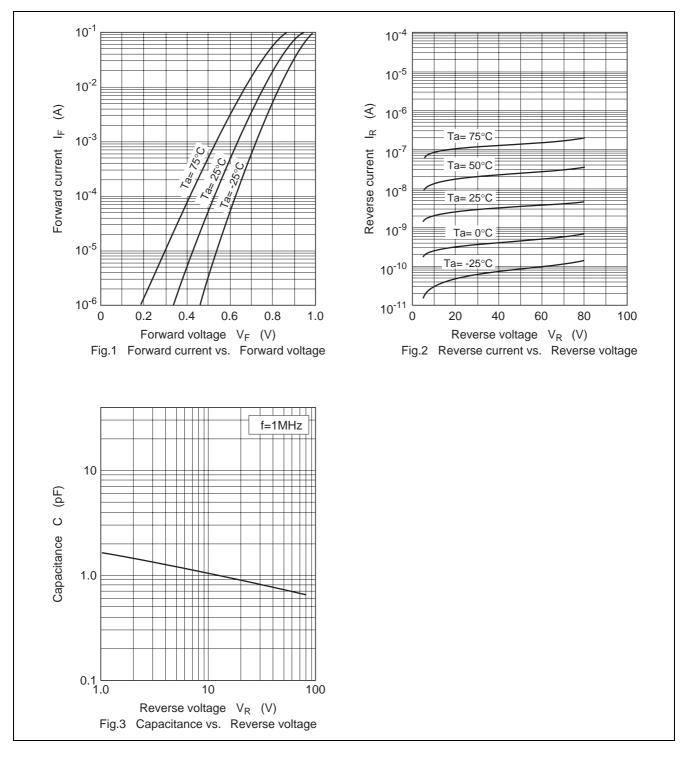
 $(Ta = 25^{\circ}C)$

ltem	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	V _{F1}		0.72	1.0	V	I _F = 10 mA
	V _{F2}		0.83	1.0		I _F = 50 mA
	V _{F3}		0.90	1.2		I _F = 100 mA
Reverse current	I _R	_	_	0.1	μA	V _R = 80 V
Capacitance	С		2.5	4.0	pF	V _R = 0 V, f = 1 MHz
Reverse recovery time	t _{rr}			20	ns	I_F = 10 mA, V_R = 6 V, R_L = 50 Ω

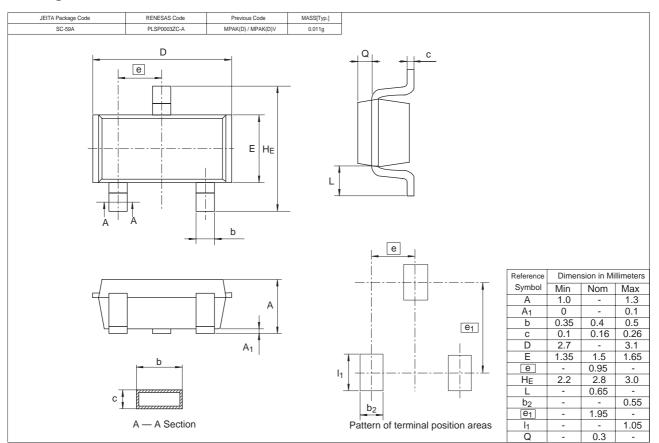
Note: 1. Per one device.



Main Characteristic



Package Dimensions





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