

Silicon Epitaxial Planar Diode for Tuner Band Switch



ADE-208-093A (Z) Rev. 1 Jun. 1993

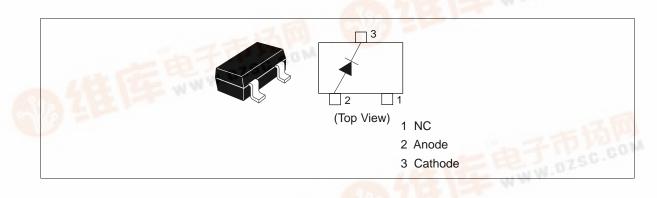
Features

- Low forward resistance. ($r_f = 0.9 \text{ max}$)
- Low capacitance. (C = 1.2pFmax)
- MPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code	
HSM2692	B1	MPAK	

Pin Arrangement





Absolute Maximum Ratings (Ta = 25° C)

Item	Symbol	Value	Unit
Reverse voltage	V _R	35	V
Power dissipation	Pd	150	mW
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-45 to +125	٥C
Operation temperature	Topr	-20 to +60	٥C

Electrical Characteristics (Ta = 25°C)

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse voltage	V _R	35	_	_	V	$I_{R} = 10 \mu A$
Reverse current	I _R	—	—	50	nA	V _R = 25V
Forward voltage	V _F	—	—	1.0	V	$I_F = 10 \text{mA}$
Capacitance	С	—	—	1.2	pF	$V_{R} = 6V, f = 1MHz$
Forward resistance	r _f	—	—	0.9	Ω	I _F = 2mA, f = 100MHz

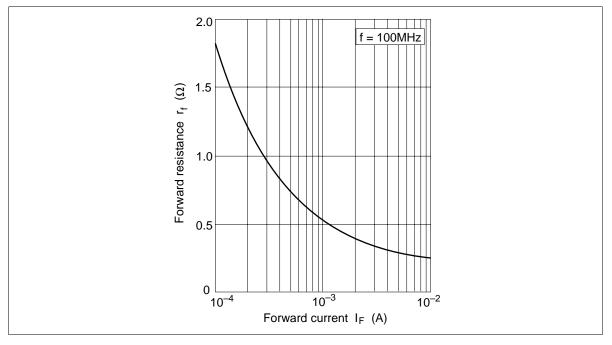
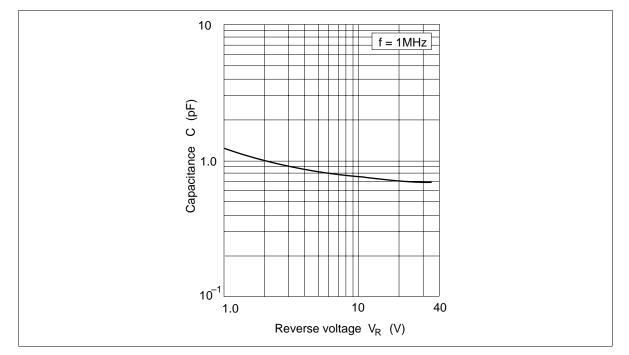


Fig.1 Forward resistance Vs. Forward current





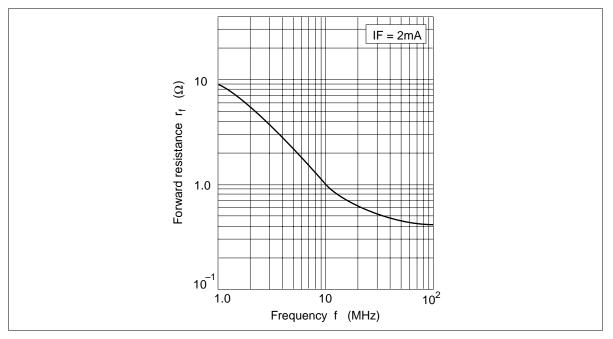
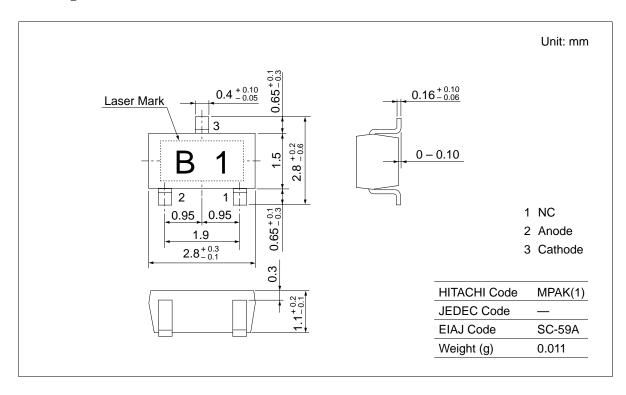


Fig.3 Forward resistance Vs. Frequency

Package Dimensions



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