HSM2694

Silicon Epitaxial Planar Diode for Tuner Band Switch

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ADE-208-095A (Z) Rev. 1 Jun. 1993

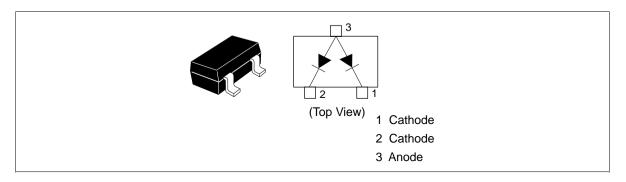
Features

- 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
HSM2694	B3	MPAK

Pin Arrangement





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

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	°C
Operation temperature	Topr	-20 to +60	°C

Note: Two device total

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

Note: Per one device

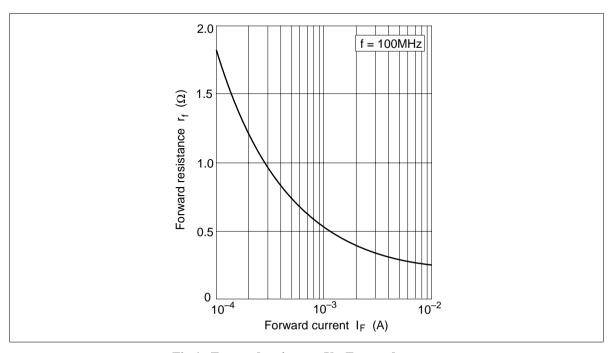


Fig.1 Forward resistance Vs. Forward current

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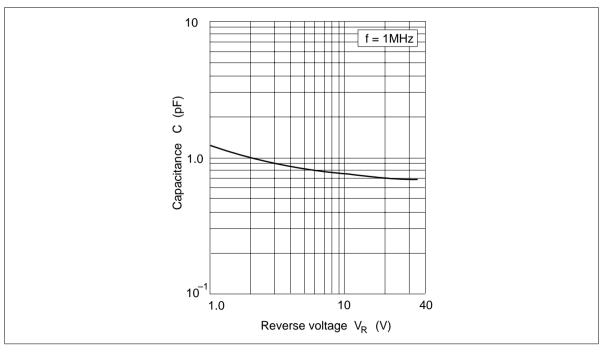


Fig.2 Capacitance Vs. Reverse voltage

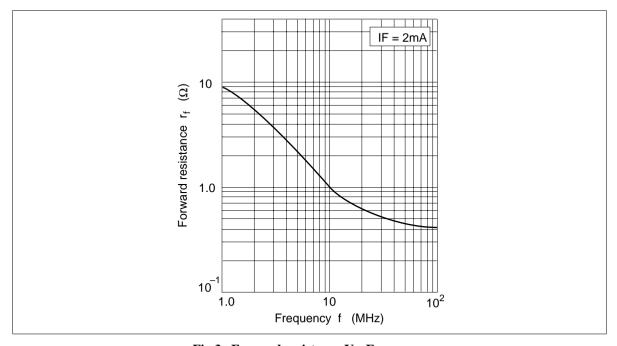
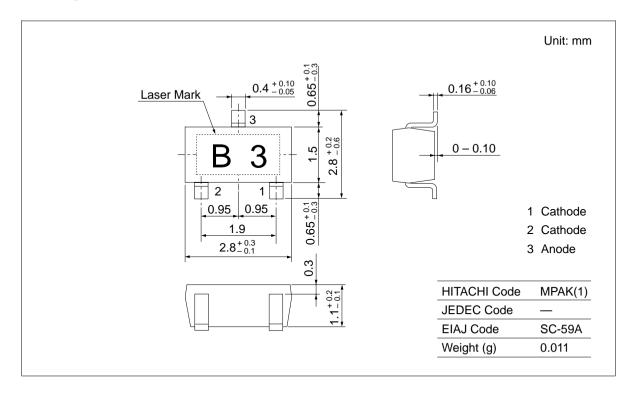


Fig.3 Forward resistance Vs. Frequency

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Package Dimensions



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