HVM14SR

Silicon Epitaxial Planar PIN Diode for High Frequency Attenuator

HITACHI

ADE-208-084C(Z)

Rev. 3 Feb. 1999

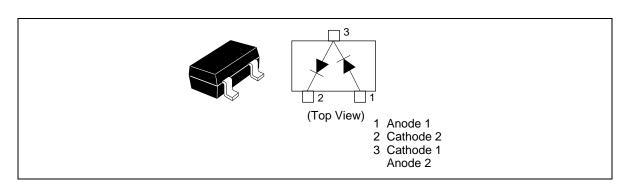
Features

- Low forward resistance. (rf = 7.0Ω max)
- Low capacitance. (C=0.25pF typ)
- MPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HVM14SR	H7	MPAK

Outline





HVM14SR

Absolute Maximum Ratings

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

Item	Symbol	Value	Unit		
Reverse voltage	V_R	50	V		
Forward current	I _F	50	mA		
Power dissipation	P _d *1	100	mW		
Junction temperature	Tj	125	°C		
Storage temperature	Tstg	-55to+125	°C		

Note: 1. Two device total.

Electrical Characteristics *2

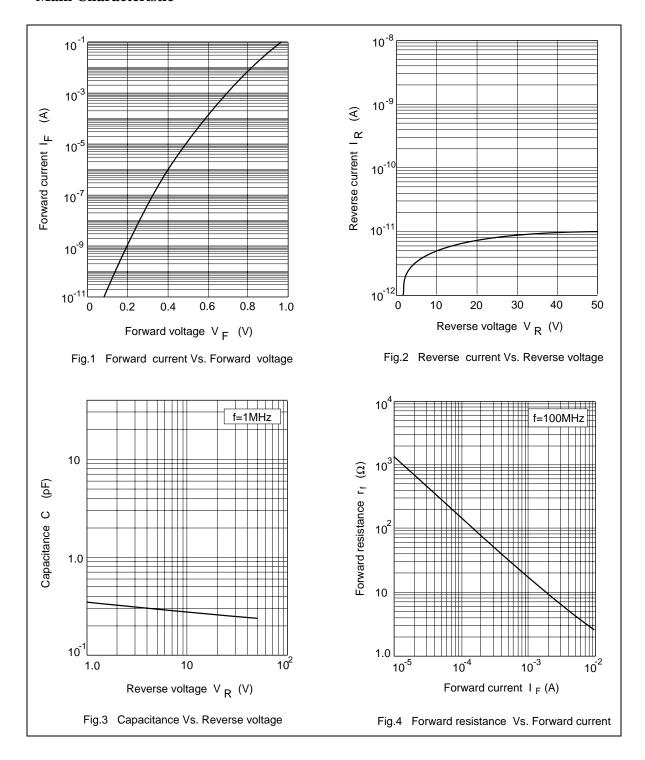
 $(Ta = 25^{\circ}C)$

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Forward voltage	$V_{\scriptscriptstyle F}$	_	_	1.0	V	I _F = 50 mA
Reverse current	I _R	_	_	100	nA	V _R = 50V
Capacitance	С	_	0.25	_	pF	$V_R = 50V$, $f = 1 MHz$
Forward resistance	r _f	_	_	7	Ω	I _F = 10 mA, f = 100 MHz
ESD-Capability *1	_	200	_	_	V	C=200pF, Both forward and reverse direction 1 pulse

Note: 1. Failure criterion; $I_R \ge 200$ nA at VR =50 V

Note: 2. Per one device.

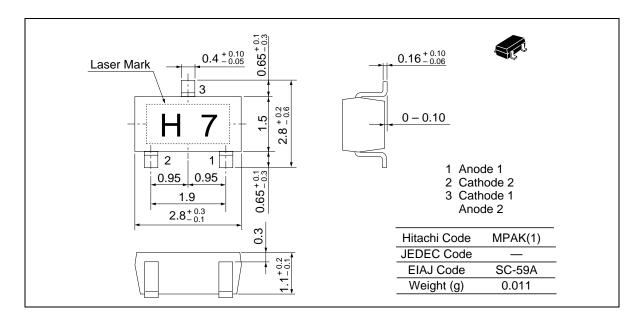
Main Characteristic



HVM14SR

Package Dimensions

Unit: mm



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