

HVB190S

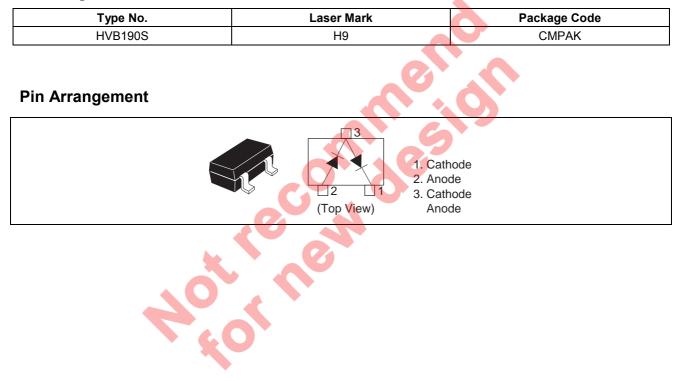
Silicon Epitaxial Planar PIN Diode for High Frequency Attenuator

REJ03G0440-0100 (Previous: ADE-208-1597) Rev.1.00 Dec 20, 2004

Features

- Low capacitance. (C = 0.35 pF max)
- Low forward resistance. ($rf = 3.0 \Omega typ$)
- CMPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information





Absolute Maximum Ratings *1

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

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ltem	Symbol	Value	Unit	
Reverse voltage	V _R	50	V	
Forward current	IF	50	mA	
Power dissipation	Pd	100	mW	
Junction temperature	Тј	125	°C	
Storage temperature	Tstg	-55 to +125	٥C	

Note: 1. Absolute maximum ratings are described each unit separately.

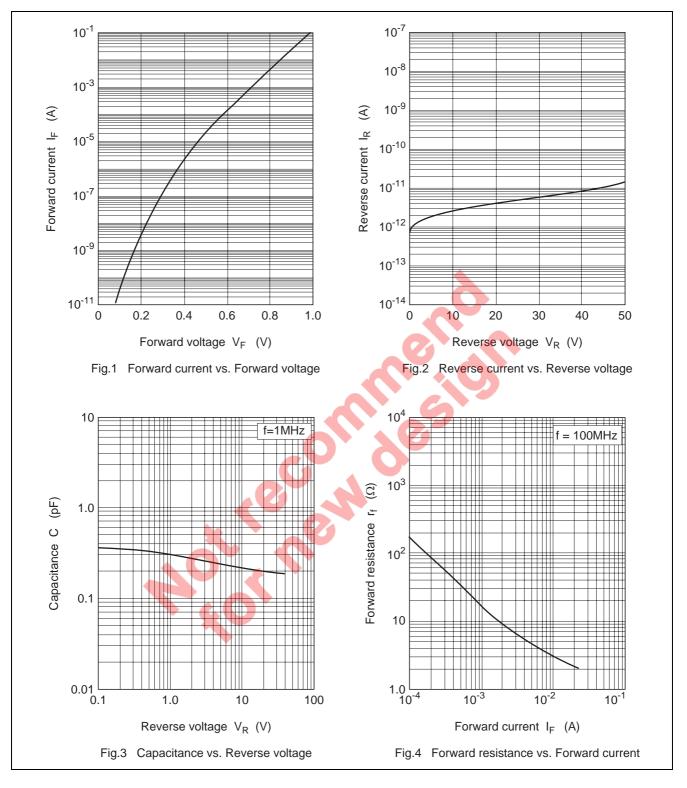
Electrical Characteristics*1

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

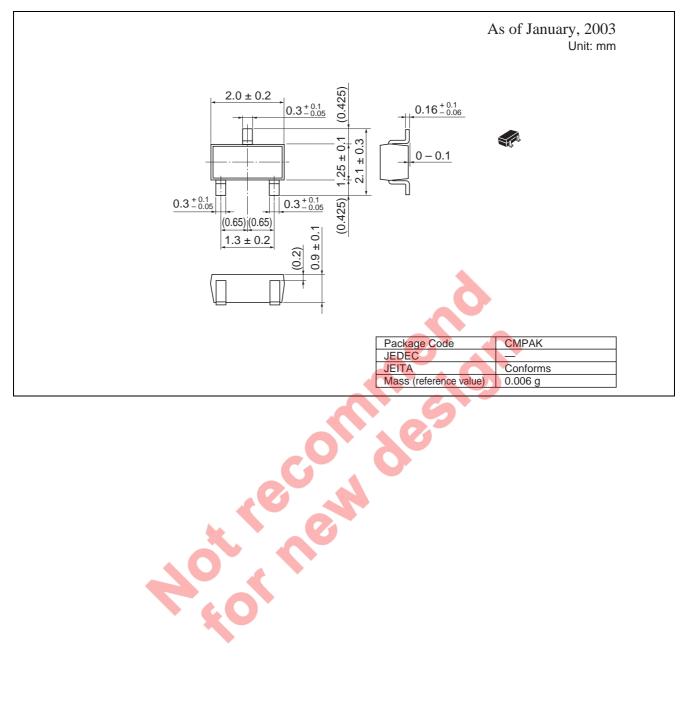
Forward voltage	Symbol	Min	Тур	Max	Unit	Test Condition
	VF	_	_	1.0	V	I _F = 50 mA
Reverse current	I _R	_		100	nA	V _R = 50 V
Capacitance	С		_	0.35	pF	V _R = 50 V, f = 1 MHz
Forward resistance	r _f		3.0	5.0	Ω	I _F = 10 mA, f = 100 MHz
ESD-Capability * ²	—	200		_	V	C = 200 pF, Both forward and reverse direction 1 pulse
2. Failure crite					25	



Main Characteristic



Package Dimensions





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