HVM16

Variable Capacitance Diode for FM tuner

HITACHI

ADE-208-086D (Z) Rev.4 Feb. 1999

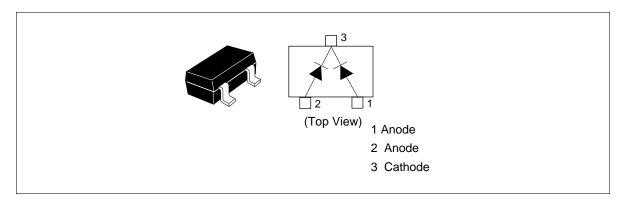
Features

- Worked by 8V, suitable for small manufacture sources of electric power.
- MPAK package is suitable for high density surface mounting and high speed assembly.

Ordering Information

Type No.	Laser Mark	Package Code
HVM16	T3	MPAK

Outline





HVM16

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

Item	Symbol	Value	Unit
Reverse voltage	V_R	14	V
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-45 to +125	°C

Electrical Characteristics (Ta = 25° C) *1

Item	Symbol	Min	Тур	Max	Unit	Test Condition
Reverse voltage	V_R	14	_	_	V	$I_R = 10\mu A$
Reverse current	I _R	_	_	50	nA	V _R =9V
Capacitance	C ₂	43.0	_	48.1	pF	V _R = 2V, f = 1 MHz
	C ₈	24.6	_	29.2		$V_R = 8V, f = 1 MHz$
Capacitance ratio	n	16.5	_	1.75	_	C ₂ / C ₈
Figure of merit	Q	75	_	_	_	V _R =2V, f = 100 MHz

Notes 1. Per one device.

Main Characteristic

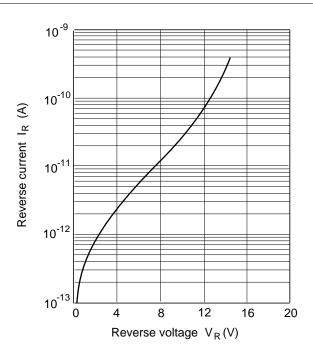


Fig.1 Reverse current Vs. Reverse voltage

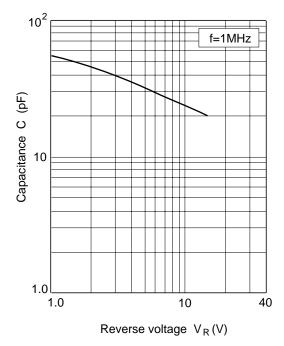
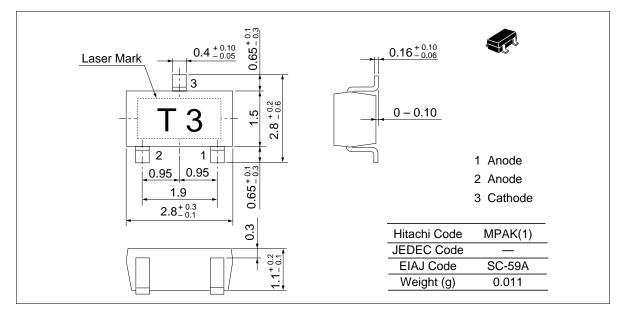


Fig.2 Capacitance Vs. Reverse voltage

HVM16

Package Dimensions

Unit: mm



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