

# MA2H736

## Silicon epitaxial planar type

For high frequency rectification

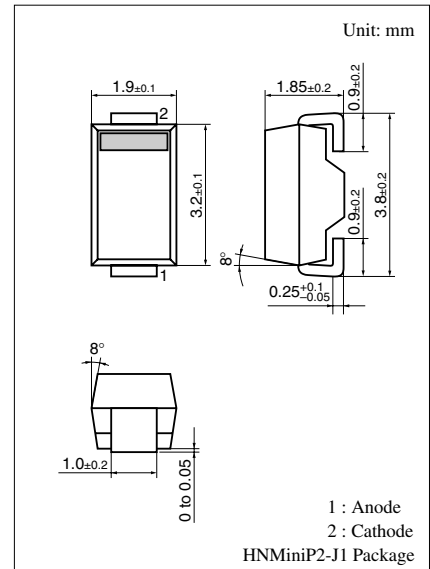
### ■ Features

- $I_{F(AV)} = 1$  A rectification is possible
- Half New Mini-power package

### ■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	$V_R$	40	V
Repetitive peak reverse-voltage	$V_{RRM}$	40	V
Average forward current	$I_{F(AV)}$	1	A
Non-repetitive peak forward-surge-current *	$I_{FSM}$	30	A
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-40 to +125	$^\circ\text{C}$

Note) \*: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)



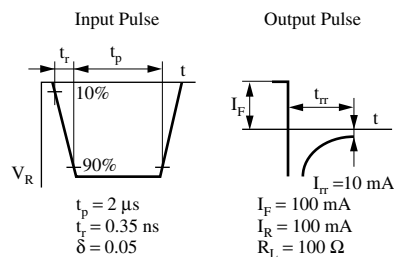
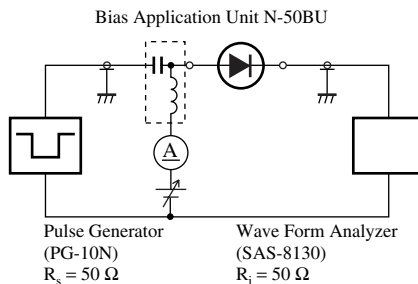
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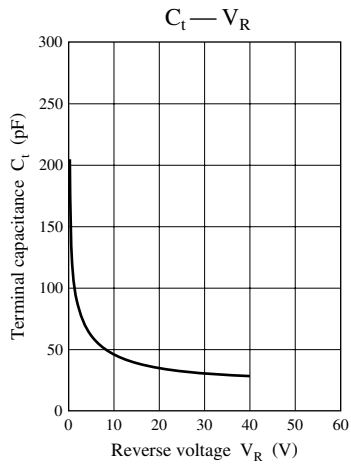
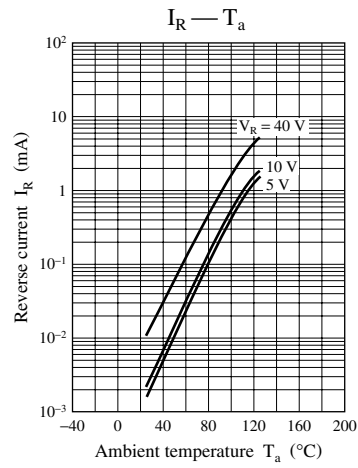
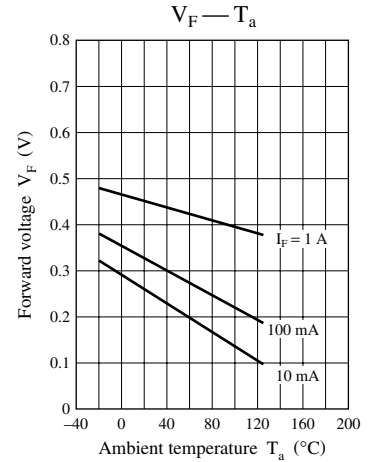
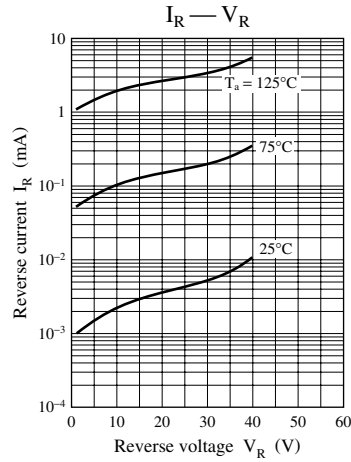
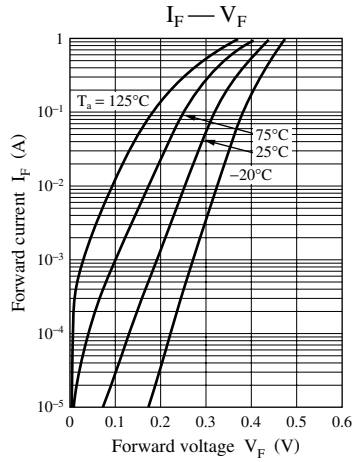
### ■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	$I_R$	$V_R = 40$ V			2	mA
Forward voltage (DC)	$V_F$	$I_F = 1$ A			0.55	V
Terminal capacitance	$C_t$	$V_R = 10$ V, $f = 1$ MHz		50		pF
Reverse recovery time *	$t_{rr}$	$I_F = I_R = 100$ mA $I_{rr} = 10$ mA, $R_L = 100$ $\Omega$			30	ns

Note) 1. Rated input/output frequency: 20 MHz

2. \*:  $t_{rr}$  measuring instrument





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