

MA2H735

Silicon epitaxial planar type

For high frequency rectification

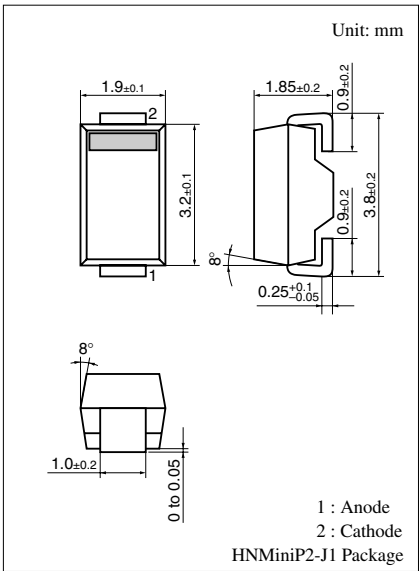
■ Features

- $I_{F(AV)} = 1$ A rectification is possible
- Low forward voltage: $V_F < 0.50$ V (at $I_F = 1$ A)
- Half New Mini-power package

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

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	30	V
Repetitive peak reverse-voltage	V_{RRM}	30	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)



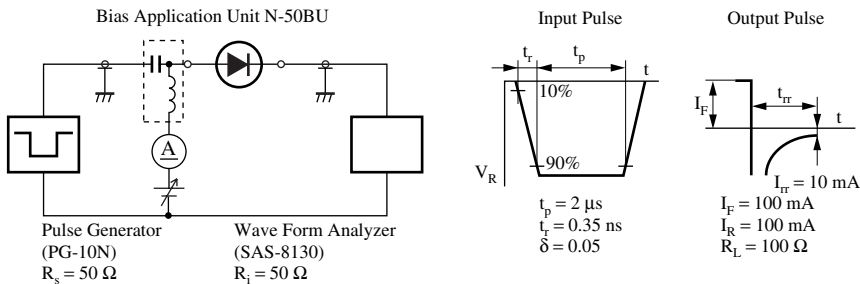
Marking Symbol: A

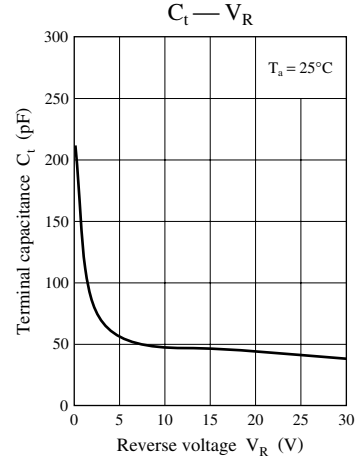
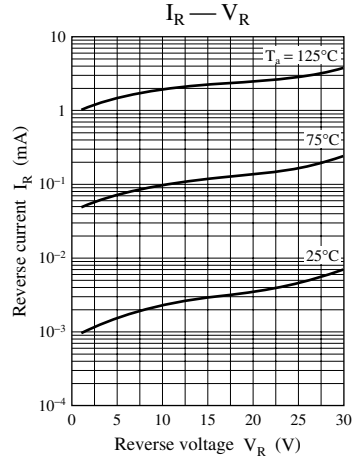
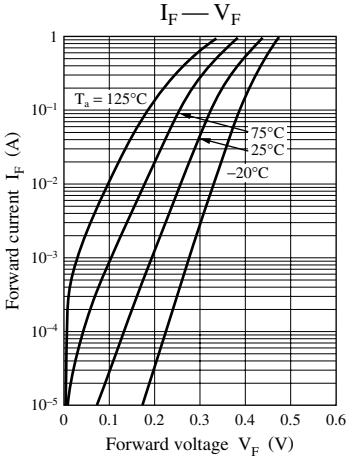
■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 30$ V			1	mA
Forward voltage (DC)	V_F	$I_F = 1$ A			0.50	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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