MA2HD08

Silicon epitaxial planar type

For high frequency rectification

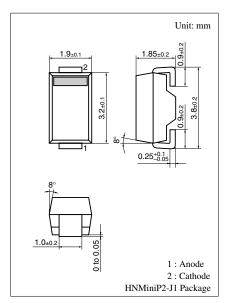
■ Features

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

■ Absolute Maximum Ratings $T_a = 25$ °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}	25	A
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	-40 to +125	°C

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



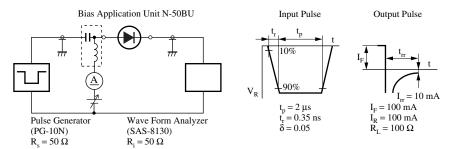
Marking Symbol: PP

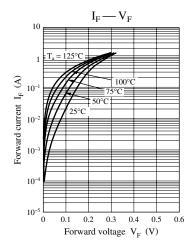
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

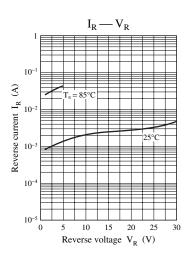
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 30 \text{ V}$			13	mA
Forward voltage (DC)	V _F	$I_F = 1 A$			0.30	V
Terminal capacitance	C _t	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		50		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		15		ns
		$I_{rr} = 10 \text{ mA}, R_{L} = 100 \Omega$				

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

2. *: t_{rr} measuring instrument







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