

MA2H736

Silicon epitaxial planar type

For switching circuits

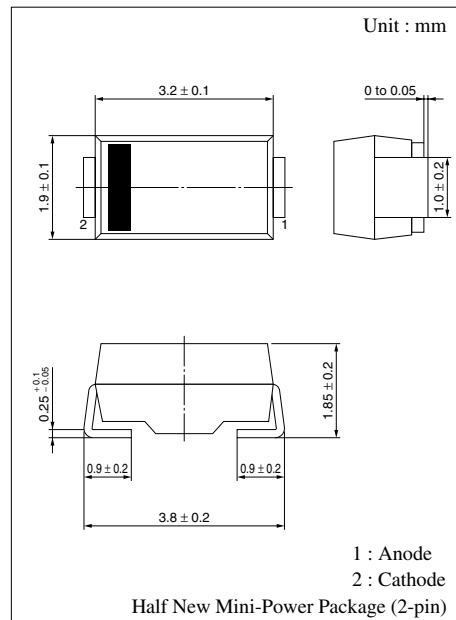
■ Features

- Small and thin Half New Mini-power package
- Allowing to rectify under ($I_{F(AV)} = 1 \text{ A}$) condition

■ 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)



Marking Symbol: B

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 50 \text{ V}$			2	mA
Forward voltage (DC)	V_F	$I_F = 1 \text{ A}$			0.55	V
Terminal capacitance	C_t	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		50		pF
Reverse recovery time*	t_{rr}	$I_F = I_R = 100 \text{ mA}$ $I_{rr} = 0.1 \cdot I_R, R_L = 100 \Omega$			30	ns

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

2. * : t_{rr} measuring instrument

