MA2ZD02

Silicon epitaxial planar type

For high frequency rectification

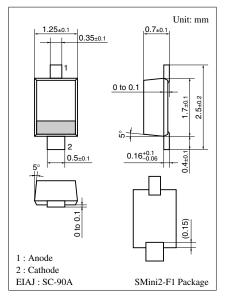
Features

- Small reverse current I_R
- S-Mini type 2-pin package

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

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V _R	20	V
Repetitive peak reverse-voltage	V _{RRM}	20	V
Average forward current	I _{F(AV)}	500	mA
Non-repetitive peak forward- surge-current *	I _{FSM}	3	А
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

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



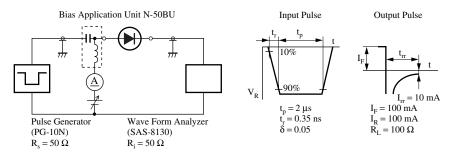
Marking Symbol: 2H

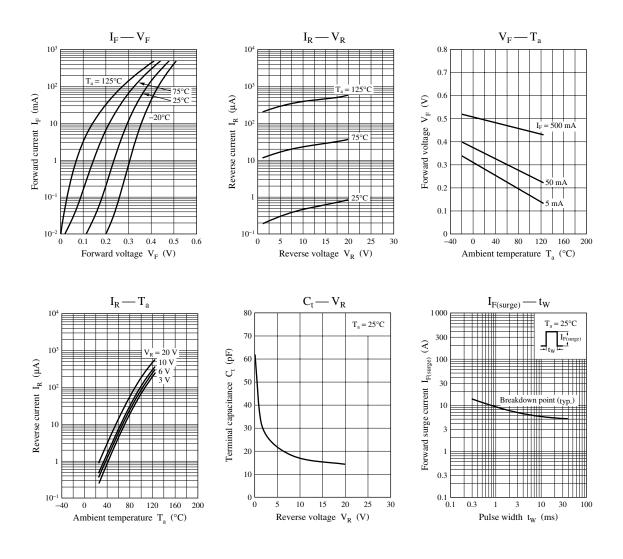
Electrical Characteristics $T_a = 25^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _{R1}	$V_R = 5 V$			1	μA
	I _{R2}	$V_R = 10 V$			10	
Forward voltage (DC)	V _{F1}	$I_F = 10 \text{ mA}$		0.3	0.4	V
	V _{F2}	$I_F = 500 \text{ mA}$		0.5	0.55	
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		60		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		5		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

- 2. Rated input/output frequency: 1 GHz
- 3. *: t_{rr} measuring instrument





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