MA2ZD14

Silicon epitaxial planar type

For high speed switching

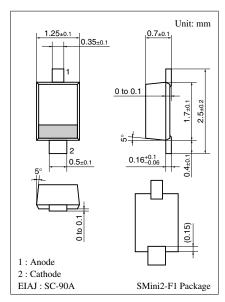
■ Features

- Low forward voltage: $V_F < 0.40 \text{ V}$ (at $I_F = 100 \text{ mA}$)
- S-Mini type 2-pin package

■ Absolute Maximum Ratings $T_a = 25$ °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)}	100	mA
Peak forward current	I_{FM}	300	mA
Non-repetitive peak forward- surge-current *	I _{FSM}	1	A
Junction temperature	T _j	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)

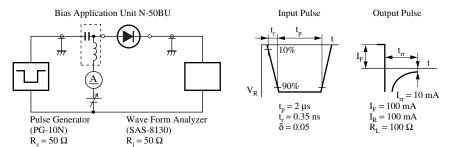


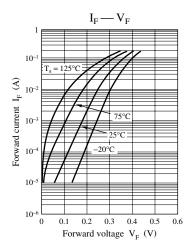
Marking Symbol: 2N

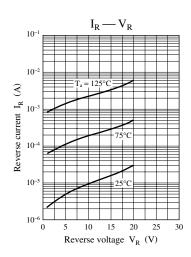
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 10 \text{ V}$			20	μΑ
Forward voltage (DC)	V_{F1}	$I_F = 5 \text{ mA}$			0.27	V
	V_{F2}	$I_F = 100 \text{ mA}$			0.40	
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		25		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3.0		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: 250 MHz
 - 3. *: t_{rr} measuring instrument







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