MA2ZD18

Silicon epitaxial planar type

For super high speed switching

Features

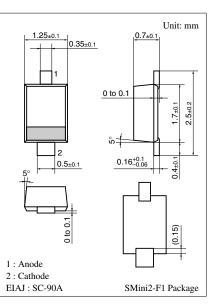
- Low forward voltage V_F
- S-Mini type 2-pin package

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}	25	V
Average forward current *1	I _{F(AV)}	500	mA
Non-repetitive peak forward- surge-current *2	I _{FSM}	2	А
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55 to +125	°C

Note) *1: Mounted on a alumina PC board

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



Marking Symbol: 2P

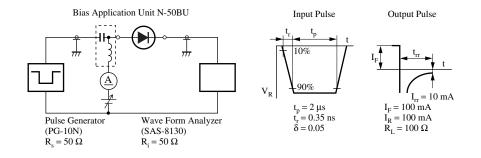
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

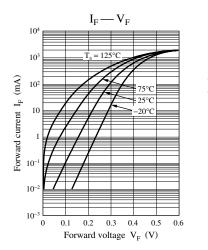
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 20 V$			200	μΑ
Forward voltage (DC)	V _F	$I_F = 500 \text{ mA}$			0.42	V
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		100		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		7		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

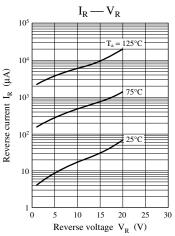
Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

2. Rated input/output frequency: 250 MHz

3. *: t_{rr} measuring instrument







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