MA2SD10

Silicon epitaxial planar type

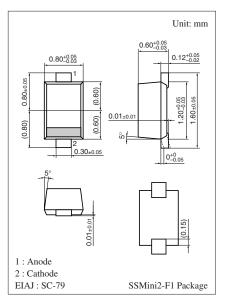
For super high speed switching

Features

- $I_{F(AV)} = 200$ mA rectification is possible
- Low forward voltage V_F
- High-density mounting is possible
- SS-Mini type 2-pin package

Parameter	Symbol	Rating	Unit			
Reverse voltage (DC)	V _R	20	V			
Repetitive peak reverse-voltage	V _{RRM}	20	V			
Non-repetitive peak forward- surge-current *	I _{FSM}	1	А			
Peak forward current	I_{FM}	300	mA			
Average forward current	I _{F(AV)}	200	mA			
Junction temperature	Tj	125	°C			
Storage temperature	T _{stg}	-55 to +125	°C			





Marking Symbol: 2L

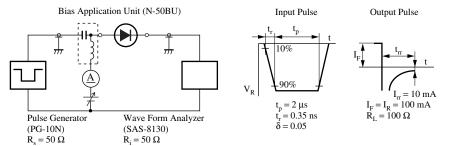
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

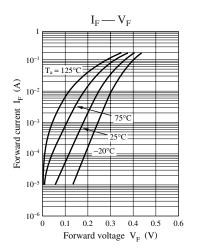
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

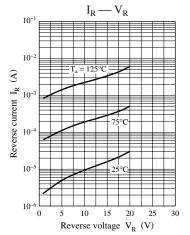
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 10 V$			20	μA
Forward voltage (DC)	V _{F1}	$I_F = 5 \text{ mA}$			0.27	V
	V _{F2}	I _F = 200 mA			0.47	
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		25		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}, I_{rr} = 10 \text{ mA},$		3		ns
		$R_L = 100 \ \Omega$				

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} measurement circuit







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