MA2SD10

Silicon epitaxial planar type

For super high speed switching

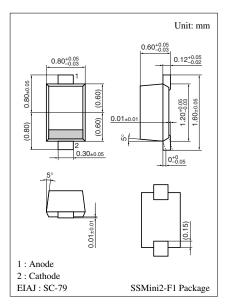
■ Features

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

\blacksquare 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
Non-repetitive peak forward- surge-current *	I _{FSM}	1	A
Peak forward current	I_{FM}	300	mA
Average forward current	I _{F(AV)}	200	mA
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)



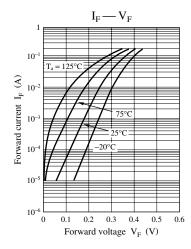
Marking Symbol: 2L

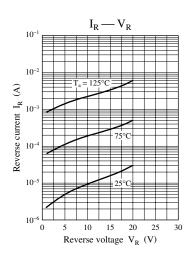
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 10 \text{ V}$			20	μА
Forward voltage (DC)	V_{F1}	$I_F = 5 \text{ mA}$			0.27	V
	V _{F2}	I _F = 200 mA			0.47	
Terminal capacitance	Ct	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$		40		pF

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





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