MA2SD190G

Silicon epitaxial planar type

For super high speed switching

Features

- Forward current (Average) $I_{F(AV)} = 200$ mA rectification is possible
- Low forward voltage: $V_F < 0.47 \text{ V}$
- Small reverse current: $I_R < 15 \ \mu A$

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

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

Package

- Code SSMini2-F4
- Pin Name 1: Anode
 - 2: Cathode

Marking Symbol: 3L

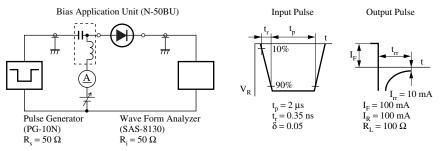
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_{\rm F} = 200 {\rm mA}$			0.47	V
Reverse current	I _R	$V_R = 10 V$			15	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		15		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		2		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

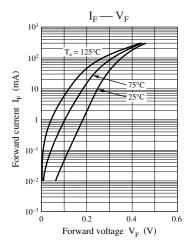
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

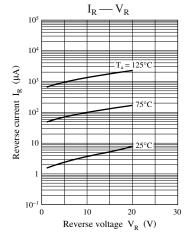
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Absolute frequency of input and output is 250 MHz.
- 4. *: t_{rr} measurement circuit

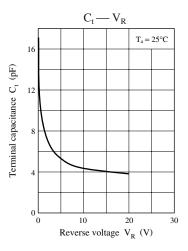


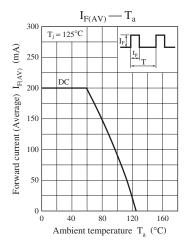
MA2SD190G

Panasonic







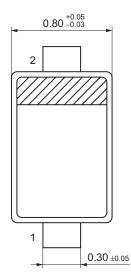


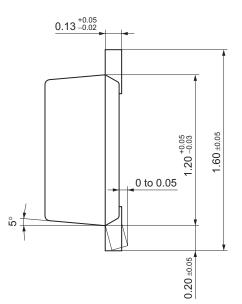
Panasonic

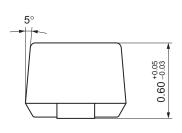
MA2SD190G

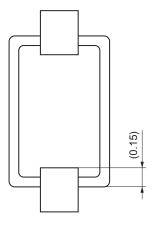
SSMini2-F4

Unit: mm









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