MA2S111

Silicon epitaxial planar type

For switching circuits

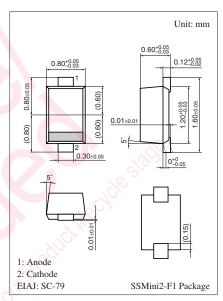
■ Features

- Allowing high-density mounting
- Short reverse recovery time t_{rr}
- Small terminal capacitance C_t

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	80	V
Maximum peak reverse voltage	V_{RM}	80	V
Forward current	I_{F}	100	mA
Peak forward current	I_{FM}	225	mA
Non-repetitive peak forward	I_{FSM}	500	mA
surge current *			
Junction temperature	T_{j}	150	°C
Storage temperature	T _{stg}	-55 to +150	°C



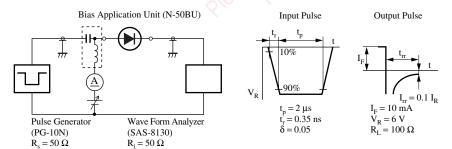


Marking Symbol: A

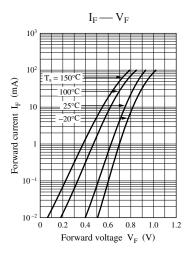
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

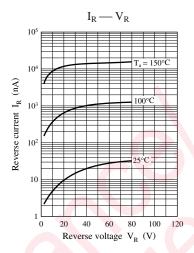
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 100 \text{ mA}$		0.95	1.20	V
Reverse voltage	V_R	$I_R = 100 \mu A$	80			V
Reverse current	I_R	V _R = 75 V	0.4		100	nA
Terminal capacitance	Ct	$V_R = 0 \text{ V, } f = 1 \text{ MHz}$		0.6	2.0	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			3	ns
		$I_{rr} = 0.1 I_R, R_L = 100 \Omega$				

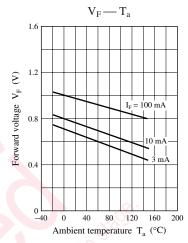
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. Absolute frequency of input and output is 100 MHz.
 - 3. *: t_{rr} measurement circuit

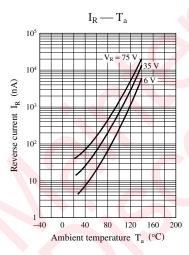


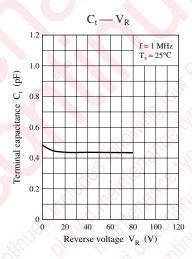
Panasonic

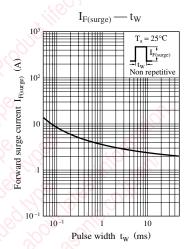












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