MA2S111

Silicon epitaxial planar type

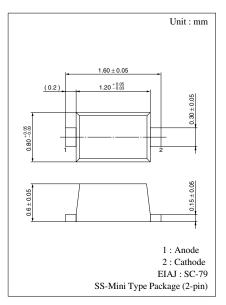
For switching circuits

Features

- Super-small SS-mini type package
- Allowing high-density mounting
- Short reverse recovery time t_{rr}
- Small terminal capacitance, Ct

	0 "		
Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V _R	80	V
Peak reverse voltage	V _{RM}	80	V
Average forward current	I _{F(AV)}	100	mA
Peak forward current	I_{FM}	225	mA
Non-repetitive peak forward surge current*	I _{FSM}	500	mA
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C





Marking Symbol: A

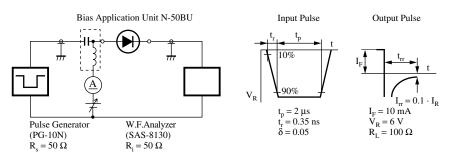
Note) *: t = 1 s

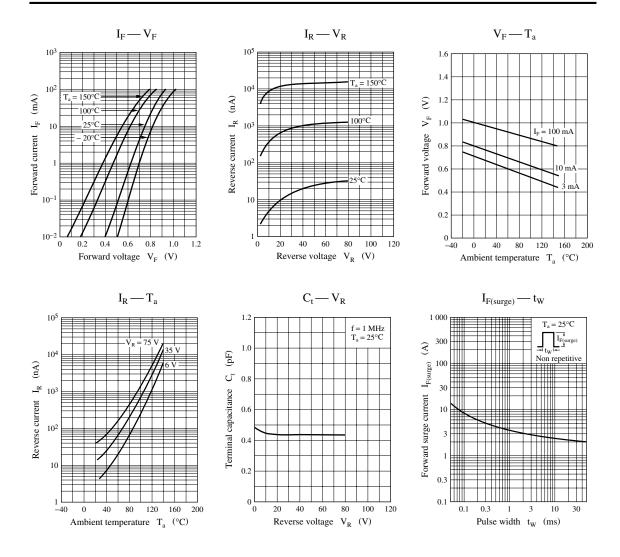
Electrical Characteristics $T_a = 25^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 75 V$			100	nA
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$		0.95	1.2	V
Reverse voltage (DC)	V _R	$I_R = 100 \ \mu A$	80			V
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		0.6	2	pF
Reverse recovery time*	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			3	ns
		$I_{rr} = 0.1 \cdot I_R, R_L = 100 \ \Omega$				

Note) 1. Rated input/output frequency: 100 MHz

2. * : t_{rr} measuring circuit





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