MA3S132A (MA132A)

Silicon epitaxial planar type

For switching circuits

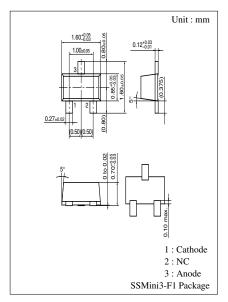
■ Features

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

■ Absolute Maximum Ratings $T_a = 25$ °C

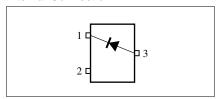
Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	80	V
Peak reverse voltage	V_{RM}	80	V
Forward current (DC)	I_F	100	mA
Peak forward current	I_{FM}	225	mA
Non-repetitive peak forward surge current*	I_{FSM}	500	mA
Junction temperature	T _j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

Note) * : t = 1 s



Marking Symbol: MB

Internal Connection

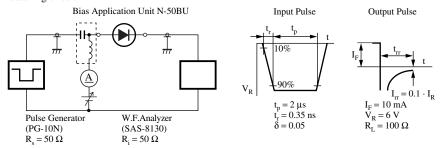


■ Electrical Characteristics $T_a = 25$ °C

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

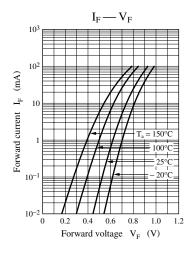
Note) 1. Rated input/output frequency: 100 MHz

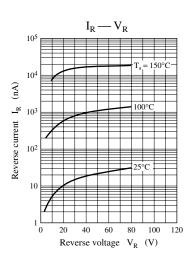
2. *: t_{rr} measuring circuit

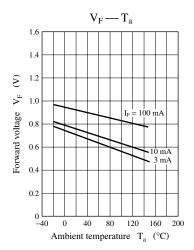


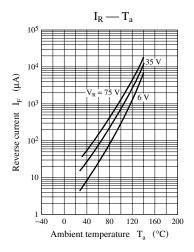
Note) The part number in the parenthesis shows conventional part number.

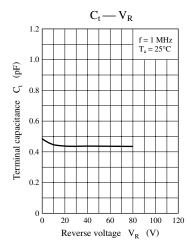
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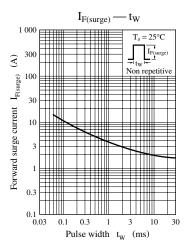












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