MA27111

Silicon epitaxial planar type

For high-speed switching circuits

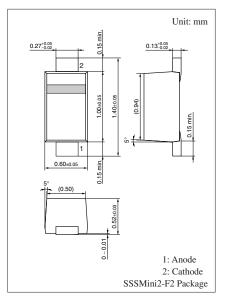
■ Features

- High-density mounting is possible
- Short reverse recovery time t_{rr}
- Small terminal capacitance C_t
- SSS-Mini type 2-pin package

■ 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



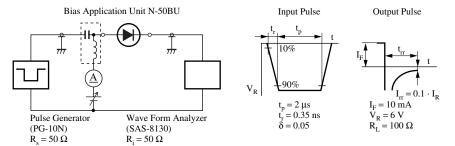
Marking Symbol: S

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

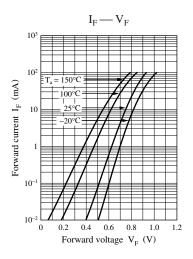
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 75 \text{ V}$			100	nA
Forward voltage (DC)	V_{F}	$I_F = 100 \text{ mA}$		0.95	1.2	V
Reverse voltage (DC)	V _R	$I_R = 100 \mu A$	80			
Terminal capacitance	C _t	$V_R = 0 \text{ V, } f = 1 \text{ MHz}$		0.6	2	pF
Reverse recovery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

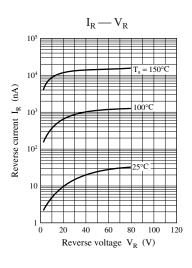
Note) 1. Rated input/output frequency: 100 MHz

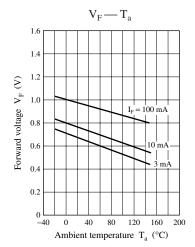
2. *: t_{rr} measuring instrument

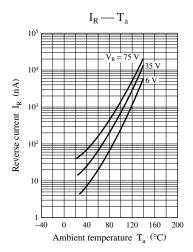


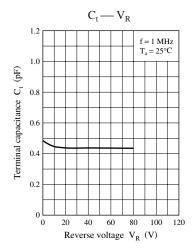
MA27111 Panasonic

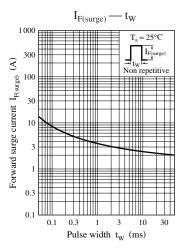












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