Panasonic

MAU2111

Silicon epitaxial planar type

For high speed switching circuits

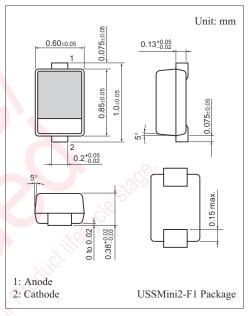
■ Features

- Optimum for 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	
Forward current (Average)	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	



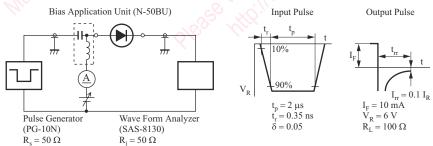


Marking Symbol: 11

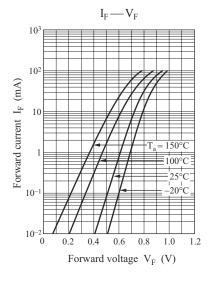
■ Electrical Characteristics $T_a = 25$ °C±3°C

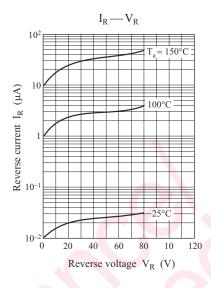
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward current	V_{F}	$I_F = 100 \text{ mA}$	6 191	0.95	1.2	V
Reverse voltage	V_R	$I_R = 100 \mu A$	80	Up.		V
Reverse current	I_R	$V_R = 75 \text{ V}$)	100	nA
Terminal capacitance	C_{t}	$V_R = 0$, $f = 1$ MHz		0.6	2	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}, I_{rr} = 0.1 I_R,$ $R_L = 100 \Omega$			3.0	ns

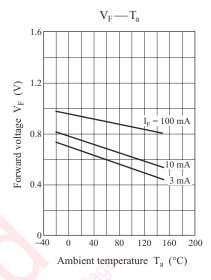
- Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
 - 2. Absolute frequency of input and output is 100 MHz.
 - 3. *: t_{rr} measurement circuit

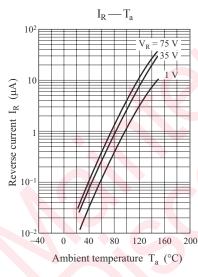


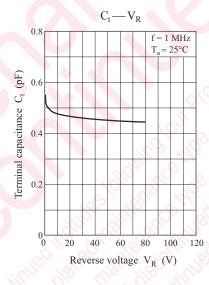
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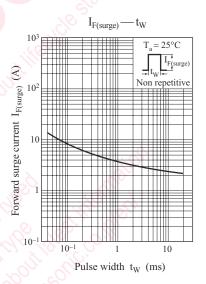








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