MAS3132E

Silicon epitaxial planar type

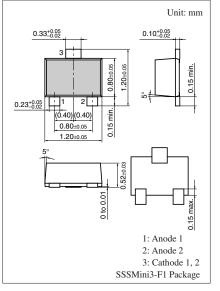
For high-speed switching circuits

Features

- Two elements are contained in one package, allowing highdensity mounting
- Short reverse recovery time t_{rr}
- Small terminal capacitance C_t
- SSS-Mini type 3-pin package

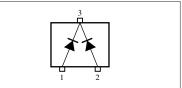
Parameter		Symbol	Rating	Unit
Reverse voltage (DC)		V _R	80	V
Peak reverse voltage		V _{RM}	80	V
Forward current (DC)	Single	I _F	100	mA
	Double		150	
Peak forward current	Single	I _{FM}	225	mA
	Double		340	
Non-repetitive peak	Single	I _{FSM}	500	mA
forward surge current *	Double		750	
Junction temperature		Tj	150	°C
Storage temperature		T _{stg}	-55 to +150	°C

Absolute Maximum Ratings $T_a = 25^{\circ}C$



Marking Symbol: MU

Internal Connection



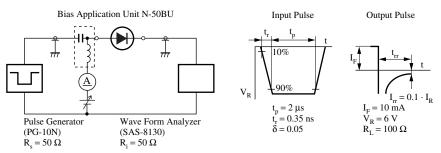
Note) *: t = 1 s

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

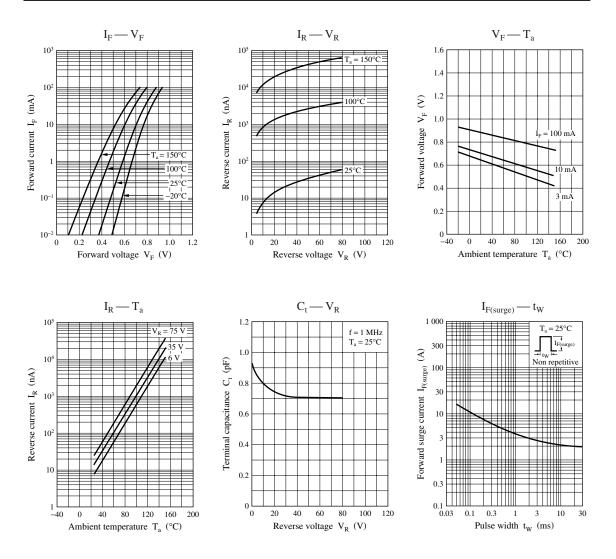
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	V _R = 75 V			100	nA
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$			1.2	V
Reverse voltage (DC)	V _R	$I_R = 100 \ \mu A$	80			V
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$			2	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{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

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

2. *: t_{rr} measuring instrument



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