MAS3132D

Silicon epitaxial planar type

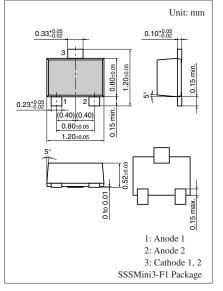
For switching circuits

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

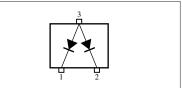
Absolute Maximum Hatings $T_a = 25$ C								
Parameter		Symbol	Rating	Unit				
Reverse voltage (DC)		V _R	80	V				
Peak reverse voltage		V _{RM}	80	V				
Forward current (DC)	Single	I_F	100	mA				
	Double		150					
Peak forward current	Single	I _{FM}	225	mA				
	Double		340					
Non-repetitive peak	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: MO

Internal Connection



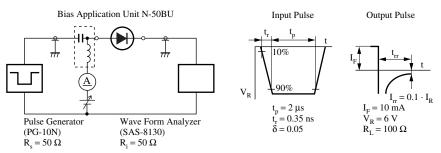
Note) *: t = 1 s

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

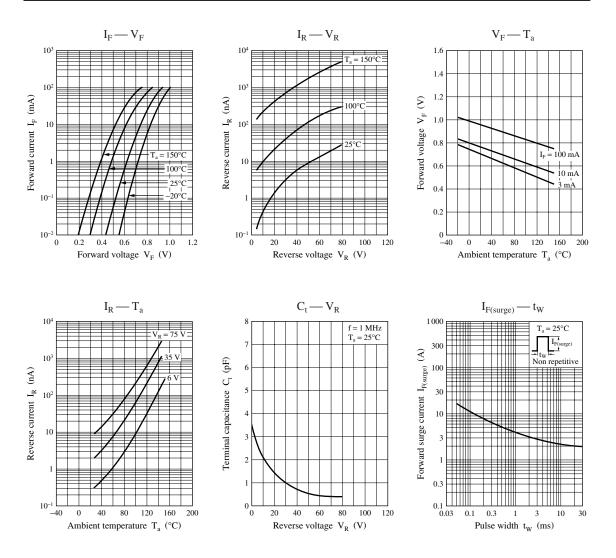
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	V _R = 75 V			100	nA
Forward voltage (DC)	V _F	I _F = 100 mA			1.2	V
Reverse voltage (DC)	V _R	$I_R = 100 \ \mu A$	80			V
Terminal capacitance	Ct	$V_{R} = 0 V, f = 1 MHz$			15	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			10	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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