MAS3132EG

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

■ 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	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		$T_{\rm j}$	150	°C
Storage temperature		T_{stg}	-55 to +150	°C (c

Package

- Code
 - SSSMini3-F2
- Pin Name
 - 1: Anode 1
 - 2: Anode 2
 - 3: Cathode 1, 2
- Marking Symbol: MU
- Internal Connection



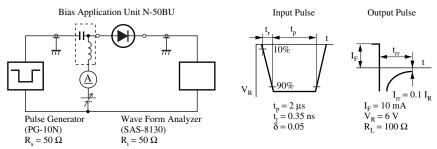
Note) *: t = 1

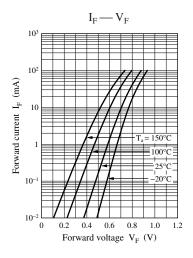
■ Electrical Characteristics T_a = 25°C ± 3°C

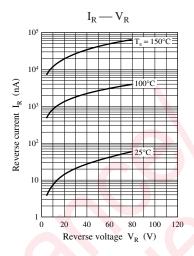
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 100 \text{ mA}$	1.90		1.2	V
Reverse voltage	V_R	$I_R = 100 \mu\text{A}$	80			V
Reverse current	I_R	V _R = 75 V			100	nA
Terminal capacitance	C_{t}	$V_R = 0 V, f = 1 MHz$			2	pF
Reverse recovery time *	t _{rr}	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			3	ns
Wy.		$I_{rr} = 0.1 I_R$, $R_L = 100 \Omega$				

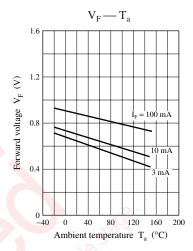
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring method for diodes.

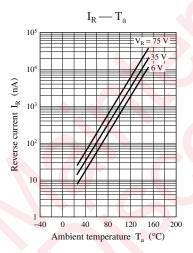
- 2. Absolute frequency of input and output is 100 MHz.
- 3. *: t_{rr} measurement circuit

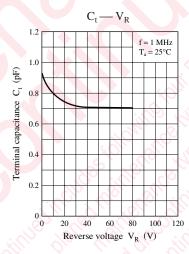


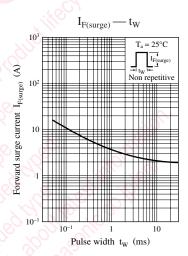








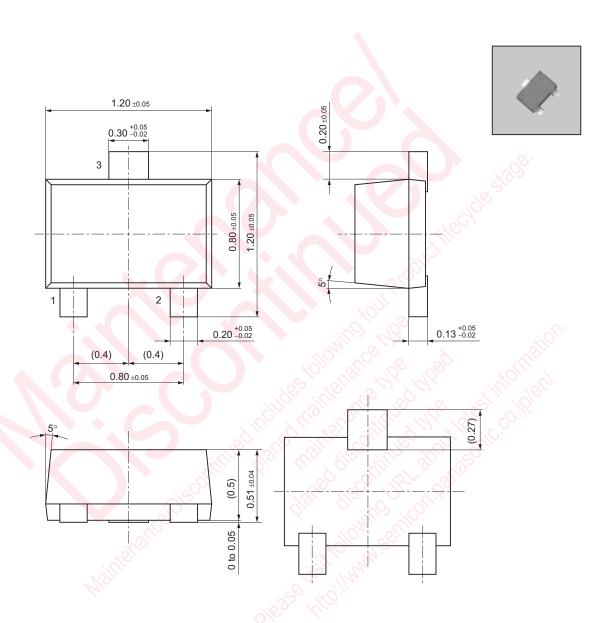




2 SKF00090AED

SSSMini3-F2

Unit: mm



SKF00090AED 3

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