MA3S1330G

Silicon epitaxial planar type

For switching circuits

■ Features

- Two isolated elements contained in one package, allowing highdensity mounting
- Two diodes are connected in series in the package

■ 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	
	Series		65		
Peak forward	Single	I_{FM}	200	mA	
current	Series		130		
Junction temperature		T_{j}	150	°C	
Storage temperature		T _{stg}	-55 to +150	°C	

Package

- Code
 - SSMini3-F3
- Pin Name
 - 1: Anode 1
 - 2: Cathode 2
 - 3: Cathode 1
 - Anode 2
- Marking Symbol: MP

■ Internal Connection

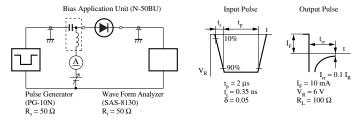


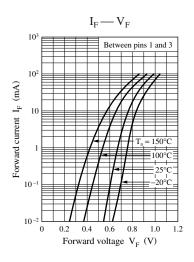
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

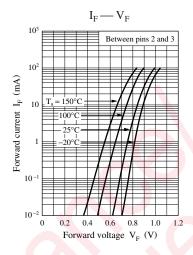
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 100 \text{ mA}$	00,		1.2	V
Reverse voltage	V_R	$I_R = 100 \mu\text{A}$	80			V
Reverse current	I_R	$V_R = 75 \text{ V}$			100	nA
Terminal capacitance	C _t *1	$V_R = 0 V, f = 1 MHz$			5.5	pF
	C _t *2	i di la ma			3.0	
Reverse recovery time *3	t _{rr} *1	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			150	ns
Ha.	t _{rr} *2	$I_{rr} = 0.1 \ I_R \ , \ R_L = 100 \ \Omega$			9	

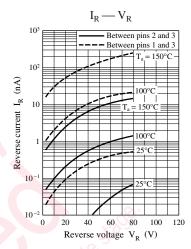
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

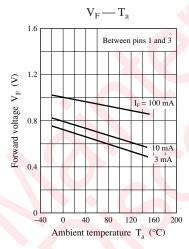
- 2. Absolute frequency of input and output is 100 MHz.
- 3. *1: Between pins 2 and 3
 - *2: Between pins 1 and 3
 - *3: t_{rr} measurement circuit

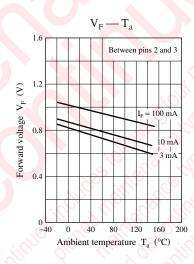


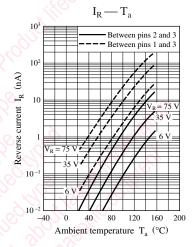


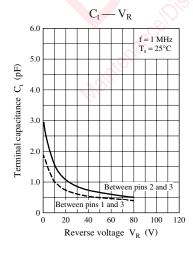


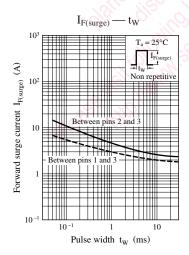






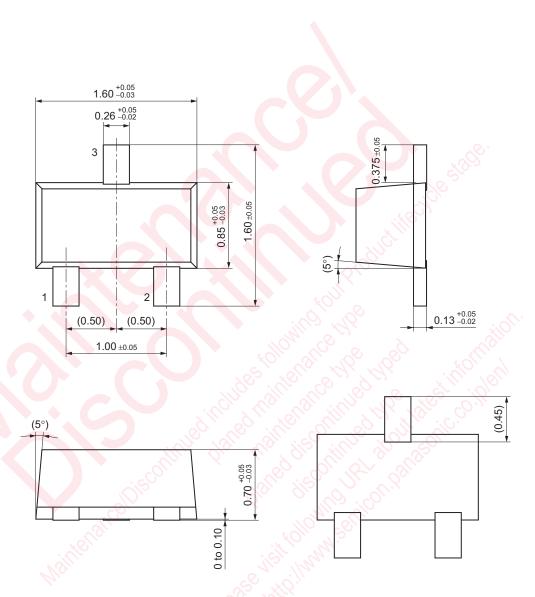






2 SKF00086AED

SSMini3-F3 Unit: mm



SKF00086AED 3

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