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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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MA3S133 (MA133)

Silicon epitaxial planar type

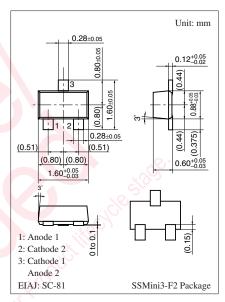
For switching circuits

■ Features

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

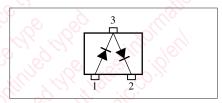
■ Absolute Maximum Ratings $T_a = 25$ °C

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	



Marking Symbol: MP

Internal Connection

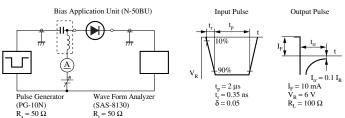


■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

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	$I_R = 100 \mu A$	80			V
Reverse current	I_R	V _R = 75 V			100	nA
Terminal capacitance	C _t *1	$V_R = 0 V, f = 1 MHz$			5.5	pF
	C _t *2	i ili bandi.			3.0	
Reverse recovery time *3	t _{rr} *1	$I_F = 10 \text{ mA}, V_R = 6 \text{ V}$			150	ns
H.	t _{rr} *2	$I_{rr} = 0.1 I_R, R_L = 100 \Omega$			9	

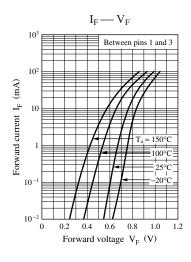
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

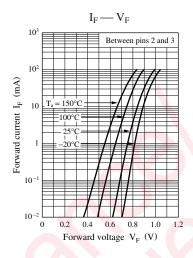
- 2. Absolute frequency of input and output is 100 MHz.
- 3. *1: Between pins 2 and 3
 - *2: Between pins 1 and 3
 - *3: t_{rr} measurement circuit

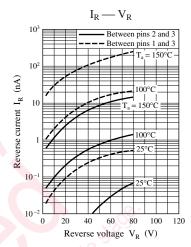


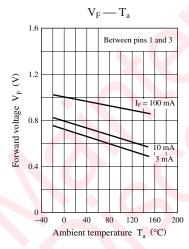
Note) The part number in the parenthesis shows conventional part number.

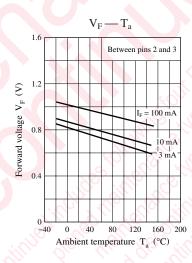
Panasonic

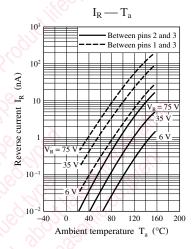


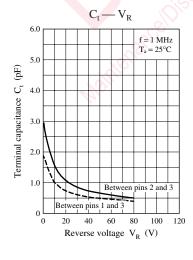


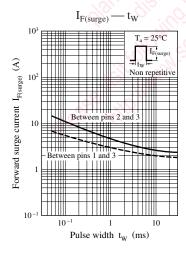












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