Panasonic

MA3S132A (MA132A), MA3S132K (MA132K)

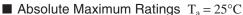
Silicon epitaxial planar type

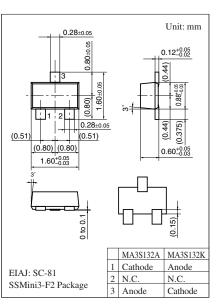
For switching circuits

Features

- Short reverse recovery time t_{rr}
- Small terminal capacitance C_t
- Allowing high-density mounting

ADSolute Maximum Hatings $T_a = 25$ C						
Parameter	Symbol	Rating	Unit			
Reverse voltage	V _R	80	V			
Maximum peak reverse voltage	V _{RM}	80	V			
Forward current	$I_{\rm F}$	100	mA			
Peak forward current	I _{FM}	225	mA			
Non-repetitive peak forward surge current *	I _{FSM}	500	mA			
Junction temperature	Tj	150	°C			
Storage temperature	T _{stg}	-55 to +150	°C			

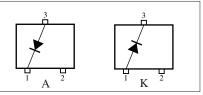




Marking Symbol:

• MA3S132A: MB • MA3S132K: MI

Internal Connection



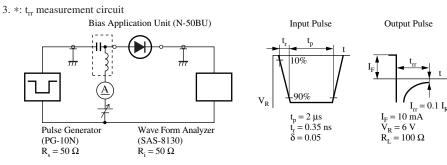
Note) *: t = 1 s

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 100 \text{ mA}$			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	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
		$I_{rr} = 0.1 I_R, R_L = 100 \Omega$				

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

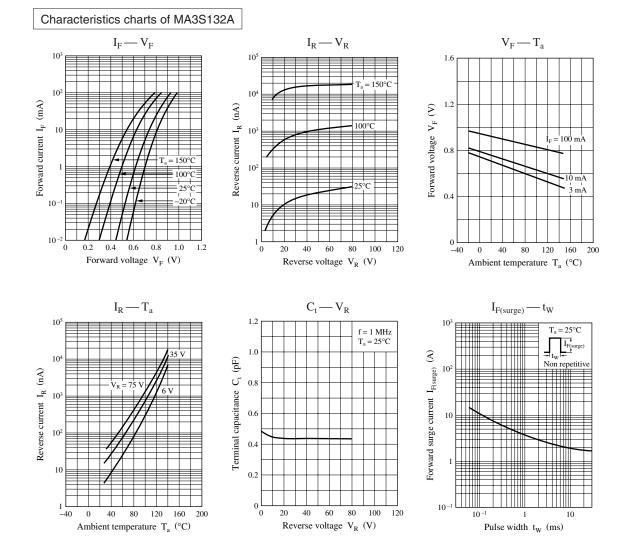
2. Absolute frequency of input and output is 100 MHz.

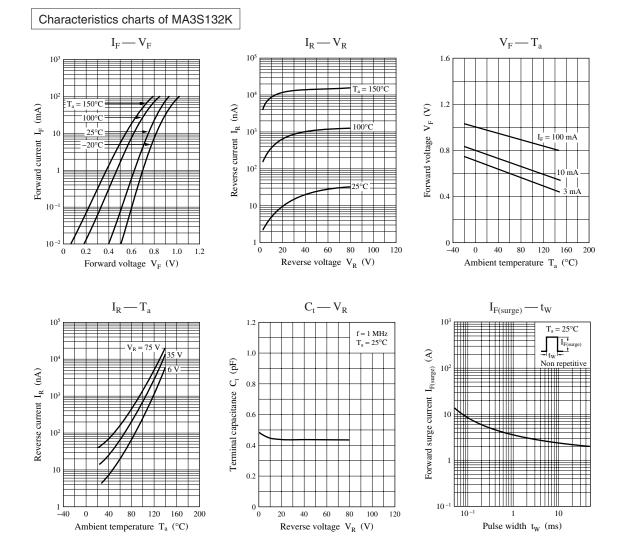


Note) The part numbers in the parenthesis show conventional part number.

Publication date: March 2004

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SKF00023BED

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