MA6X122 (MA122)

Silicon epitaxial planar type

For switching circuit

Features

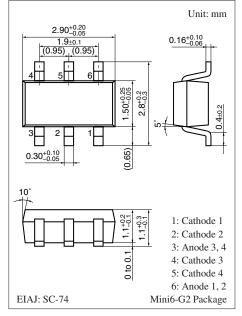
- Four isolated elements contained in one package, allowing highdensity mounting
- Centrosymmetrical wiring, allowing to free from the taping direction

Absolute maximum matings $T_a = 25$ C			
Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	80	V
Maximum peak reverse voltage	V _{RM}	80	V
Forward current *1	$I_{\rm F}$	100	mA
Peak forward current *1	I _{FM}	225	mA
Non-repetitive peak forward surge current *1, 2	I _{FSM}	500	mA
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Absolute Maximum Ratings $T_a = 25^{\circ}C$

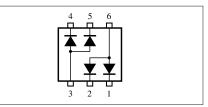
Note) *1: Value for single diode

*2: t = 1 s



Marking Symbol: M2A

Internal Connection

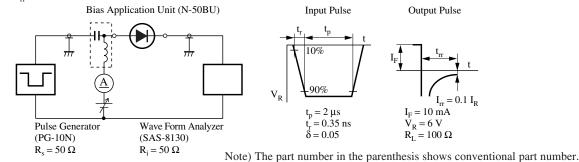


Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$ Parameter Symbol Conditions Min Max Unit Тур $V_{\rm F}$ Forward voltage $I_{\rm F} = 100 \, {\rm mA}$ 1.2 V Reverse voltage $I_{R} = 100 \ \mu A$ 80 V V_R $V_R = 75 V$ Reverse current 100 nA I_R $V_R = 0 V, f = 1 MHz$ Terminal capacitance pF C_t 15 Reverse recovery time $I_{\rm F} = 10 \text{ mA}, V_{\rm R} = 6 \text{ V}$ 10 t_{rr} 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.

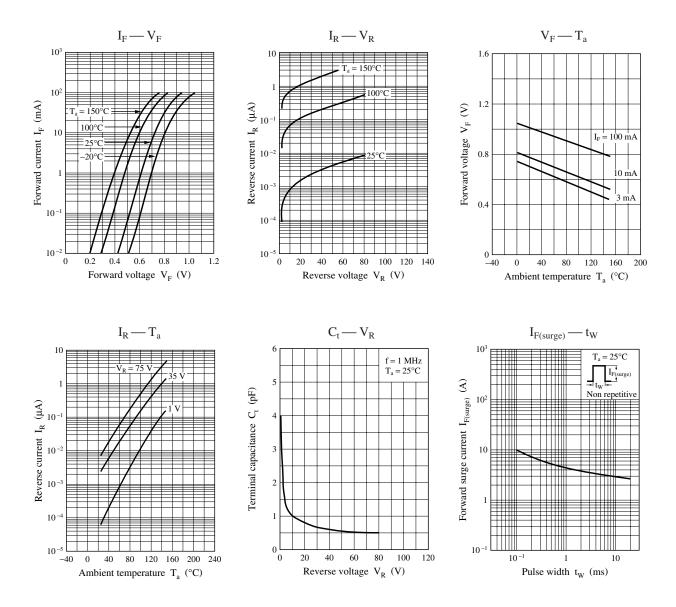




Publication date: March 2004

MA6X122





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