MA3X721 (MA721)

Silicon epitaxial planar type

For super high speed switching For small current rectification

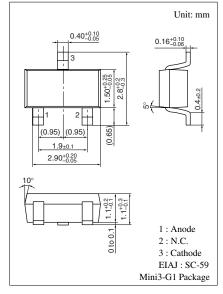
Features

- $I_{F(AV)} = 200$ mA rectification is possible
- Mini type 3-pin package

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V _R	30	V
Non-repetitive peak forward- surge-current *	I _{FSM}	1	А
Peak forward current	I _{FM}	300	mA
Forward current	I _{F(AV)}	200	mA
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

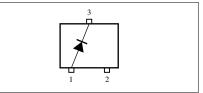
Absolute Maximum Ratings $T_a = 25^{\circ}C$

Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)



Marking Symbol: M1M

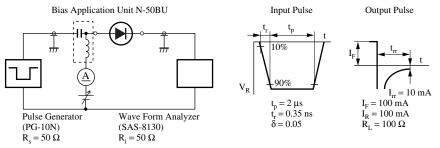
Internal Connection



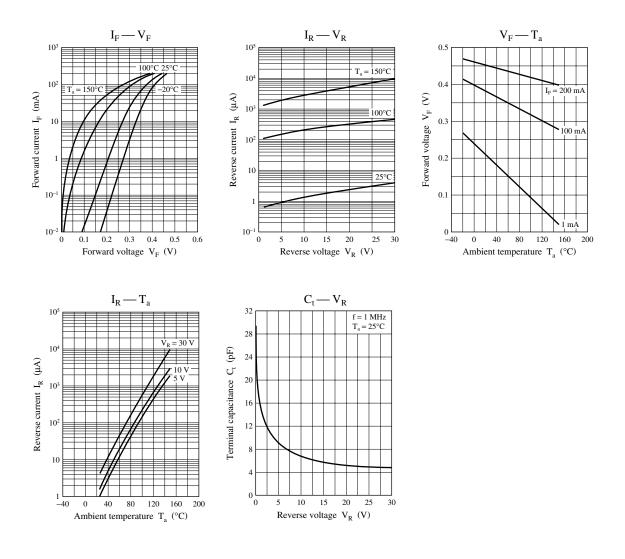
Electrical Characteristics $T_a = 25^{\circ}C$ Parameter Symbol Conditions Min Max Unit Тур $V_{R} = 30 V$ Reverse current (DC) I_R 50 μΑ Forward voltage (DC) $I_{\rm F} = 200 \, {\rm mA}$ 0.55 v V_F $V_R = 0 V, f = 1 MHz$ Terminal capacitance 30 pF C_t $I_{\rm F} = I_{\rm R} = 100 \text{ mA}$ Reverse recovery time * t_{rr} 3.0 ns $I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$

Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

2. Rated input/output frequency: 1 GHz 3. *: t_{rr} measuring instrument



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



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