MA4X726 (MA726)

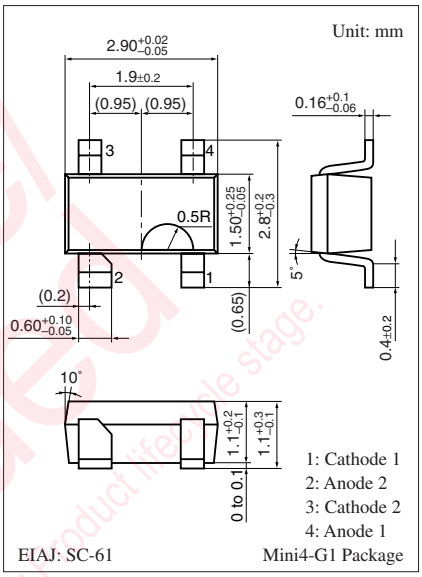
Silicon epitaxial planar type

For super high speed switching

For small current rectification

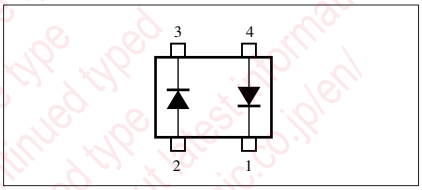
■ Features

- Two isolated elements are contained in one package, allowing high-density mounting
- Two MA3X721 (MA721) is contained in one package (two diodes in a different direction)
- Forward current (Average) $I_{F(AV)}$ = 200 mA rectification is possible



Marking Symbol: M1O

Internal Connection



■ Absolute Maximum Ratings T_a = 25°C

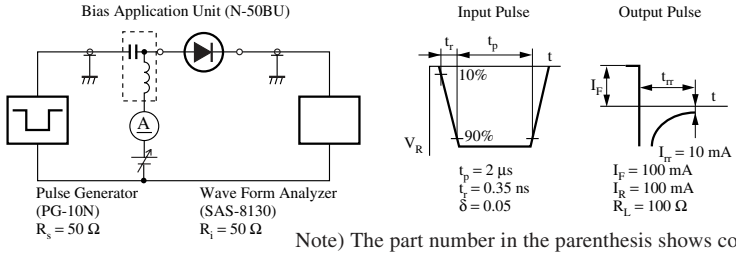
Parameter		Symbol	Rating	Unit
Reverse voltage		V_R	30	V
Repetitive peak reverse voltage		V_{RRM}	30	V
Peak forward current	Single	I_{FM}	300	mA
	Series *1		225	
Forward current (Average)	Single	$I_{F(AV)}$	200	mA
	Series *1		150	
Non-repetitive peak forward surge current *2	Single	I_{FSM}	1.00	A
	Series *1		0.75	
Junction temperature		T_j	150	°C
Storage temperature		T_{stg}	−55 to +150	°C

Note) *1: Value of each diode in series diodes used.
*2: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

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

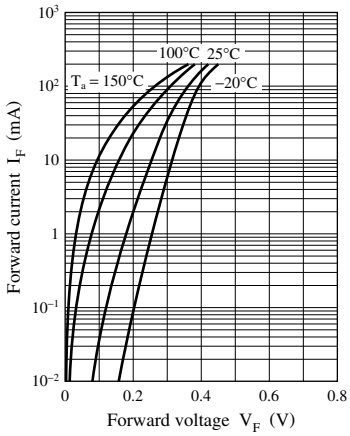
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	I_F = 200 mA			0.55	V
Reverse current	I_R	V_R = 30 V			50	µA
Terminal capacitance	C_t	V_R = 0 V, f = 1 MHz		30		pF
Reverse recovery time *	t_{rr}	I_F = I_R = 100 mA I_{rr} = 10 mA, R_L = 100 Ω		3.0		ns

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.
2. 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.
3. Absolute frequency of input and output is 1 GHz.
4. *: t_{rr} measurement circuit

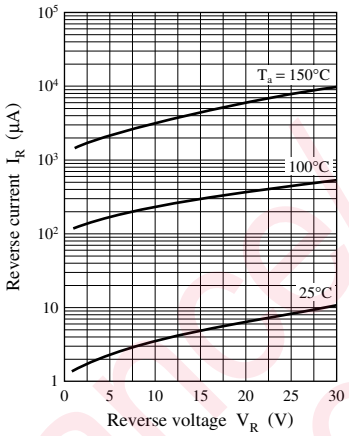


Note) The part number in the parenthesis shows conventional part number.

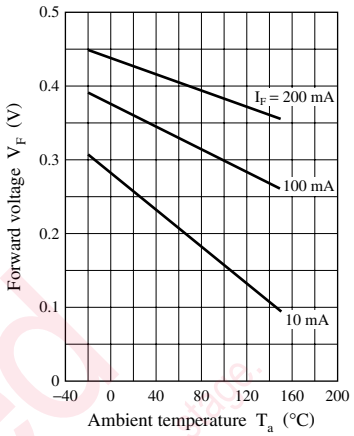
I_F — V_F



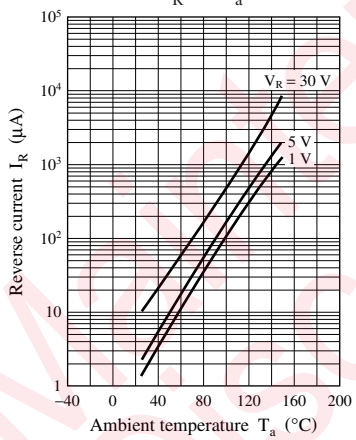
I_R — V_R



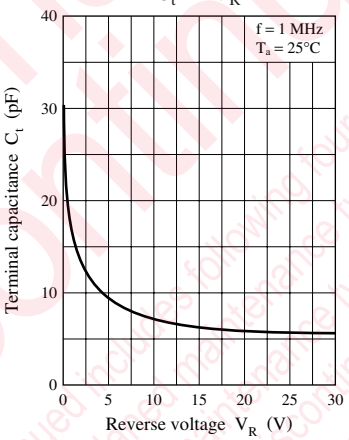
V_F — T_a



I_R — T_a



C_t — V_R



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