# 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

## ■ Absolute Maximum Ratings $T_a = 25$ °C

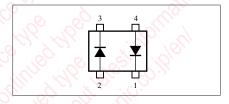
Parameter		Symbol	Rating	Unit
Reverse voltage		$V_R$	30	V
Repetitive peak reverse voltage		V <sub>RRM</sub>	30	V
Peak forward	Single	$I_{FM}$	300	mA
current	Series *1		225	
Forward current	Single	I <sub>F(AV)</sub>	200	mA
(Average)	Series *1		150	i
Non-repetitive peak	Single	$I_{FSM}$	1.00	A
forward surge current *2	Series *1		0.75	50
Junction temperature		T <sub>j</sub>	150	°C ()
Storage temperature		$T_{stg}$	-55 to +150	°C

Note) \*1: Value of each diode in series diodes used.

### 2.90\*0.02 1.9±0.2 (0.95) (0.95) 0.16\*0.1 0

Marking Symbol: M1O

### Internal Connection

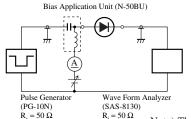


### ■ Electrical Characteristics $T_a = 25$ °C $\pm 3$ °C

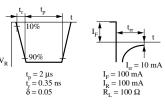
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_F$	$I_F = 200 \text{ mA}$	,		0.55	V
Reverse current	$I_R$	$V_R = 30 \text{ V}$			50	μΑ
Terminal capacitance	C <sub>t</sub>	$V_R = 0 V, f = 1 MHz$		30		pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 10 \text{ mA}, R_{L} = 100 \Omega$				

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



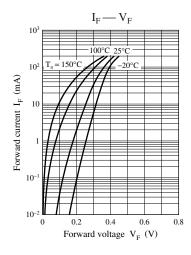


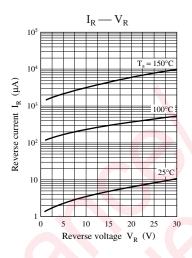
4. \*: t<sub>rr</sub> measurement circuit
Input Pulse Output Pulse

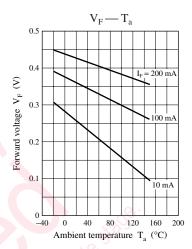


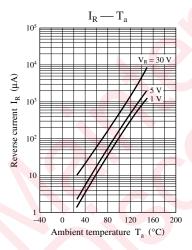
Note) The part number in the parenthesis shows conventional part number.

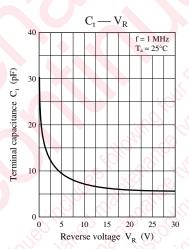
<sup>\*2:</sup> The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)











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