Unit : mm

0.65 ± 0.15

MA4X724 (MA724)

Silicon epitaxial planar type

For super-high speed switching circuit

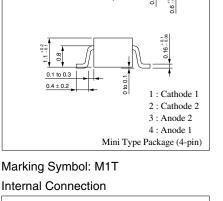
For small current rectification

Features

- Two MA3X721s are contained in one package (of a type in the same direction)
- Allowing to rectify under $(I_{F(AV)} = 200 \text{ mA})$ condition
- High reliability

		0 "		
Parameter		Symbol	Rating	Unit
Reverse voltage (DC)		V _R	30	V
Repetitive peak reverse voltage		V _{RRM}	30	V
Peak forward	Single	I _{FM}	300	mA
current	Double*1		225	
Average forward	Single	I _{F(AV)}	200	mA
current	Double*1		150	
Non-repetitive peak	Single	I _{FSM}	1	А
forward surge current $*^2$	Double*1		0.75	
Junction temperature		Tj	150	°C
Storage temperature		T _{stg}	-55 to +150	°C

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



白 1

 $\square 2$

2.8 -0.3

0.65 ± 0.15

0.95 1.9 ± 0.2 2.9 +0.2

g

4 C

3 [

Note) *1: Value per chip

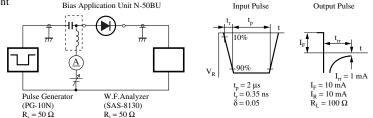
*2: The peak-to-peak value in one cycle of 50 Hz sine-wave (non-repetitive)

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

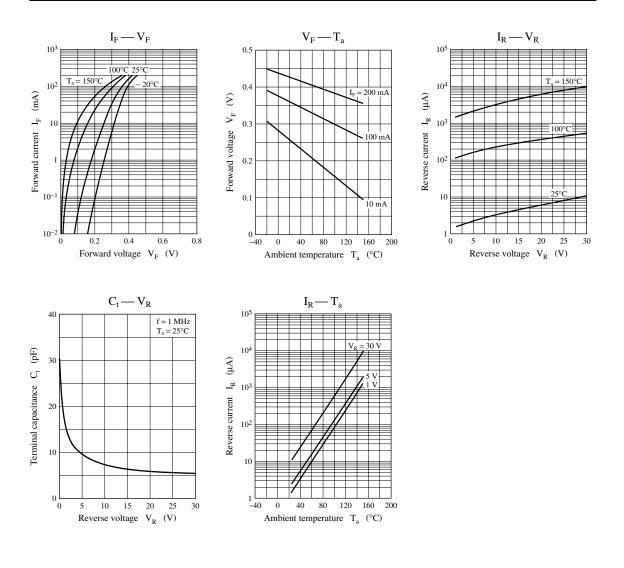
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 30 V$			50	μΑ
Forward voltage (DC)	V _F	$I_{\rm F} = 200 \ {\rm mA}$			0.55	V
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		30		pF
Reverse recovery time*	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

Note) 1. Schottky barrier diode 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: 1 000 MHz
- 3. *: trr measuring instrument



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



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