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

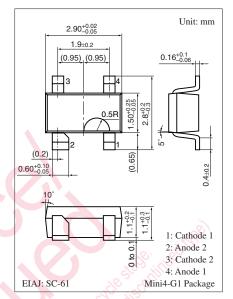
Absolute Maximum Hatings $T_a = 25$ C								
Parameter		Symbol	Rating	Unit				
Reverse voltage		V _R	30	V				
Repetitive peak reverse voltage		V _{RRM}	30	V				
Peak forward	Single	I _{FM}	300	mA				
current	Series *1		225					
Forward current	Single	I _{F(AV)}	200	mA				
(Average)	Series *1		150					
Non-repetitive peak	Single	I _{FSM}	1.00	А				
forward surge current *2	Series *1		0.75					
Junction temperature		Tj	150	°C				
Storage temperature		T _{stg}	-55 to +150	°C				

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



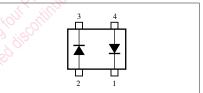
*2: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$



Marking Symbol: M1O

Internal Connection

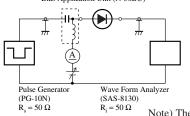


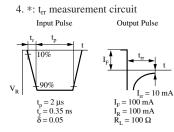
Parameter	Symbol	Conditions	Min	Тур	Max	Unit		
Forward voltage	V _F	$I_F = 200 \text{ mA}$			0.55	V		
Reverse current	IR	$V_{\rm R} = 30 \ {\rm V}$			50	μΑ		
Terminal capacitance	Ct Ct	$V_R = 0 V, f = 1 MHz$		30		pF		
Reverse recovery time *	trr	$I_F = I_R = 100 \text{ mA}$		3.0		ns		
	, dior	$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$						

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

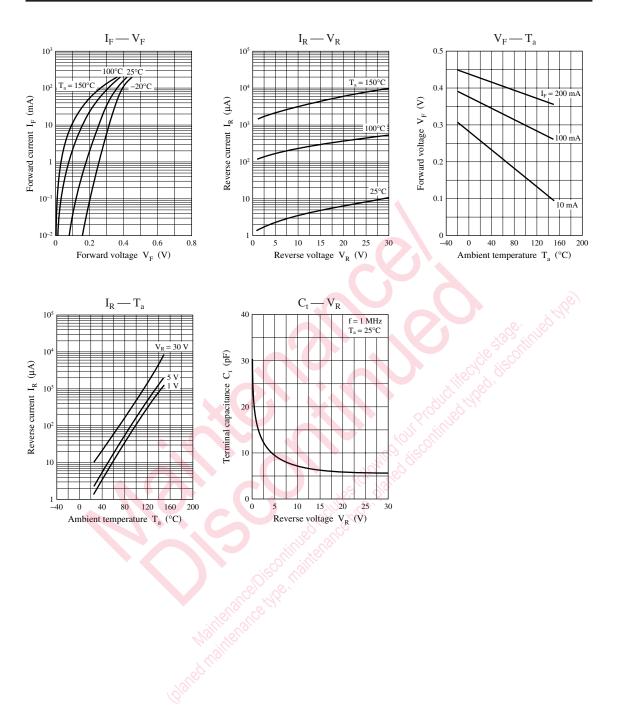
 This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. Absolute frequency of input and output is 1 GHz. Bias Application Unit (N-50BU)





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



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