imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MA3X740 (MA740)

Silicon epitaxial planar type

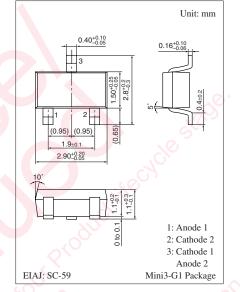
For super high speed switching For small current rectification

Features

- Two MA3X721 (MA721) is contained in one package (series connection)
- Forward current (Average) $I_{F(AV)} = 200 \text{ mA}$ (per single diode) rectification is possible

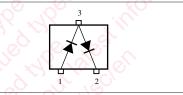
Absolute Maximum Hatings T _a = 25 C								
Parameter		Symbol	Rating	Unit				
Reverse voltage		V _R	30	V				
Repetitive peak reverse voltage		V _{RRM}	30	V				
Forward current	Single	I _{F(AV)}	200	mA				
(Average)	Series		130					
Peak forward	Single	I _{FM}	300	mA				
current	Series		220					
Non-repetitive peak	Single	I _{FSM}	1.0	A				
forward surge current *	Series		0.7	S X				
Junction temperature		Tj	150	°C				
Storage temperature		T _{stg}	-55 to +150	°C				

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



Marking Symbol: M3C

Internal Connection



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

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

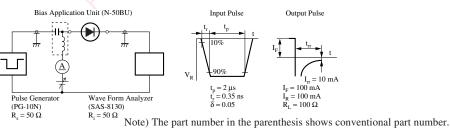
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	I _F = 200 mA	2		0.55	V
Reverse current	I _R	$V_R = 30 V$			50	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		30		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 10 \text{ mA}, R_{L} = 100 \Omega$				

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

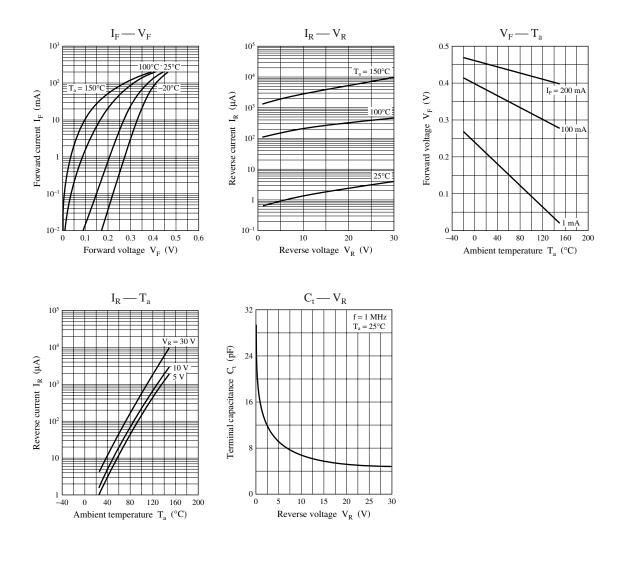
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

4. *: trr measurement circuit

3. Absolute frequency of input and output is 1 GHz.



Panasonic



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