

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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MA4X174 (MA174)

Silicon planar type

For small power rectification and surge absorption

■ Features

- Two isolated elements contained in one package, allowing highdensity mounting
- High breakdown voltage: $V_R = 200 \text{ V}$

■ Absolute Maximum Ratings $T_a = 25$ °C

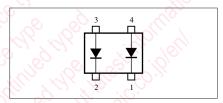
Parameter		Symbol	Rating	Unit
Reverse voltage		V_R	200	V
Repetitive peak reverse voltage		V _{RRM}	250	V
Non-repetitive peak reverse surge voltage		V _{RSM}	300	V
Output current	Single	Io	100	mA
	Double		75	
Repetitive peak	Single	I_{FRM}	225	mA
forward current	Double		170	
Non-repetitive peak	Single	I_{FSM}	500	mA
forward surge current *	Double		375	101.
Junction temperature		T _j	125	C C
Storage temperature		T _{stg}	-55 to +125	°C



2.90^{+0.20}_{-0.05} Unit: mm 2.90^{+0.20}_{-0.05} 1.9±0.2 (0.95), (0.95) 0.5R 0.5R 0.5R 0.7 0.7 0.40^{+0.10} 0.40^{+0.10} 0.40^{+0.10} 0.40^{+0.10} 1: Cathode 1 2: Cathode 2 3: Anode 2 4: Anode 1 Mini4-G1 Package

Marking Symbol: M2O

Internal Connection



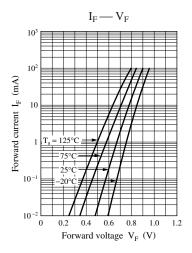
■ Electrical Characteristics T_a = 25°C ± 3°C

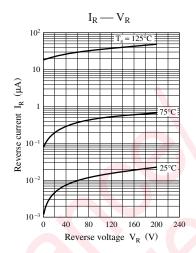
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 100 \text{ mA}$	1.,		1.3	V
Reverse current	I_R	$V_{R} = 200 \text{ V}$			1.0	μΑ

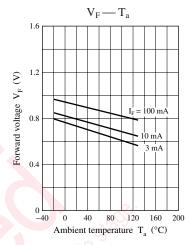
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

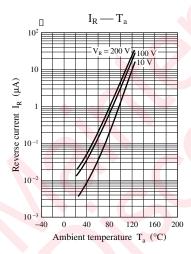
2. Absolute frequency of input and output is 3 MHz.

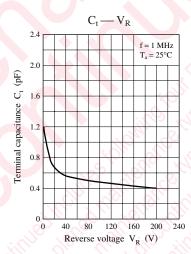
Panasonic

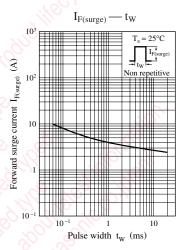












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