MA4X174 (MA174)

Silicon planar type

For small power rectification and surge absorption

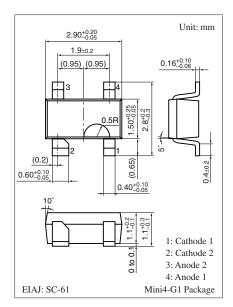
■ Features

- 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

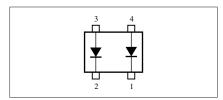
Parameter		Symbol	Rating	Unit
Reverse voltage		V_R	200	V
Repetitive peak reverse voltage		V_{RRM}	250	V
Non-repetitive peak reverse surge voltage		V _{RSM}	300	V
Output current	Single	I_{O}	100	mA
	Double		75	
Repetitive peak	Single	I_{FRM}	225	mA
forward current	Double		170	
Non-repetitive peak	Single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

Note) *: t = 1 s



Marking Symbol: M2O

Internal Connection



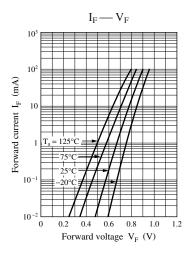
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

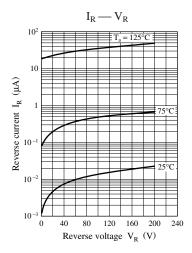
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V_{F}	$I_F = 100 \text{ mA}$			1.3	V
Reverse current	I_R	$V_{R} = 200 \text{ V}$			1.0	μΑ

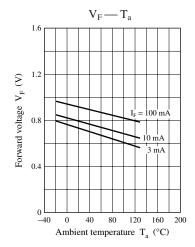
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

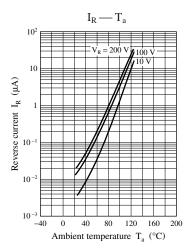
2. Absolute frequency of input and output is 3 MHz.

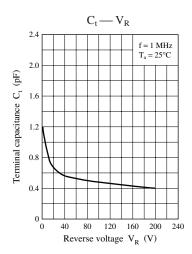
Panasonic

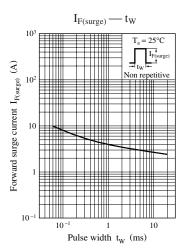












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