

MA4X174 (MA174)

Silicon planar type

For small power rectification and surge absorption

■ Features

- Two isolated elements contained in one package, allowing high-density mounting
- High breakdown voltage: $V_R = 200$ V

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

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 forward current	Single	I_{FRM}	225	mA
	Double		170	
Non-repetitive peak forward surge current *	Single	I_{FSM}	500	mA
	Double		375	
Junction temperature	T_j	125	$^\circ\text{C}$	
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$	

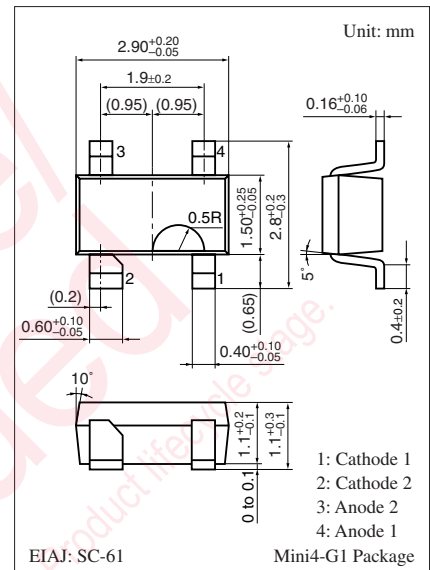
Note) *: $t = 1$ s

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	$I_F = 100$ mA			1.3	V
Reverse current	I_R	$V_R = 200$ V			1.0	μA

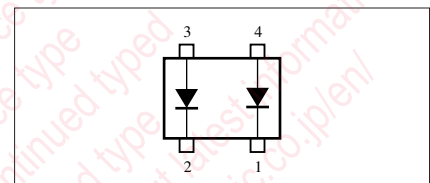
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

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

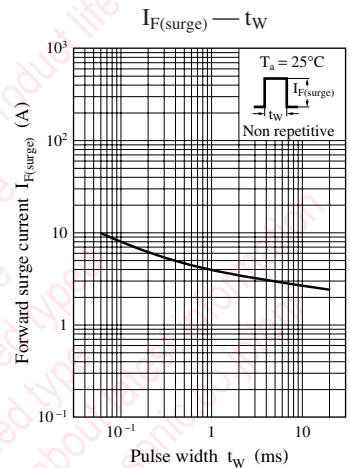
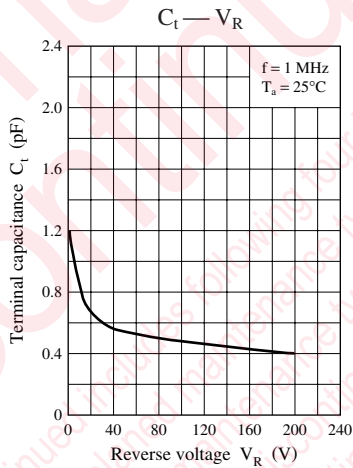
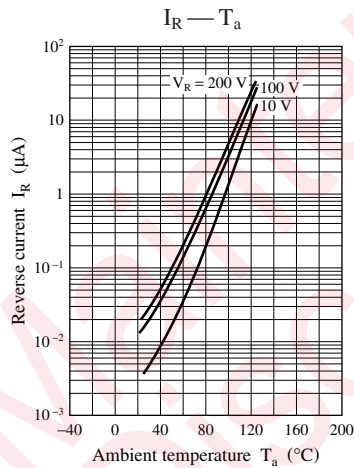
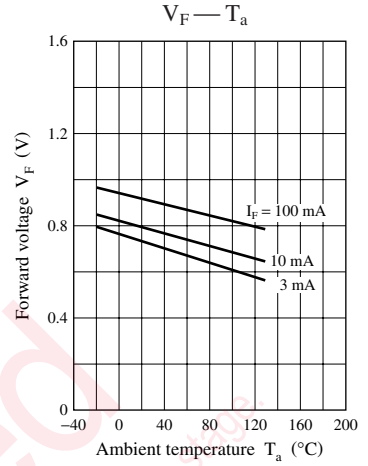
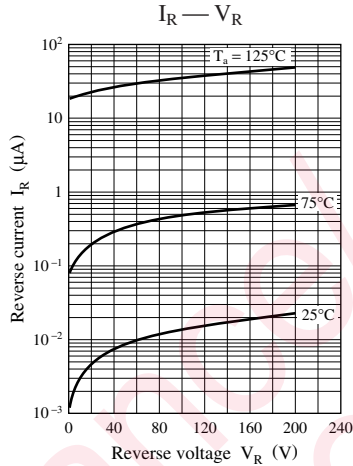
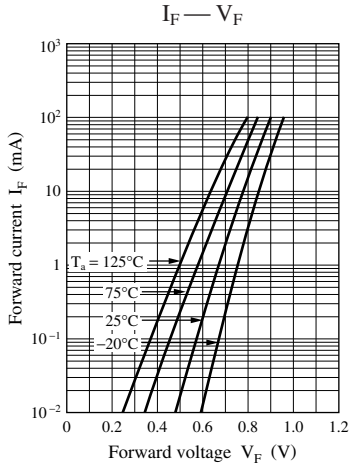


Marking Symbol: M20

Internal Connection



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



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standard applications or general electronic equipment (such as office
and household appliances).

ng applications:

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n the systems such as redundant design, arresting the spread of fire
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