

# MA2YD23

## Silicon epitaxial planar type

For high frequency rectification

### ■ Features

- Forward current (Average)  $I_{F(AV)} = 1$  A rectification is possible
- Low forward voltage  $V_F$
- Small reverse current  $I_R$

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

Parameter	Symbol	Rating	Unit
Reverse voltage	$V_R$	25	V
Repetitive peak reverse voltage	$V_{RRM}$	25	V
Forward current (Average) *1	$I_{F(AV)}$	1.0	A
Non-repetitive peak forward surge current *2	$I_{FSM}$	3	A
Junction temperature	$T_j$	125	$^\circ\text{C}$
Storage temperature	$T_{stg}$	-55 to +125	$^\circ\text{C}$

Note) \*1: Mounted on an alumina PC board

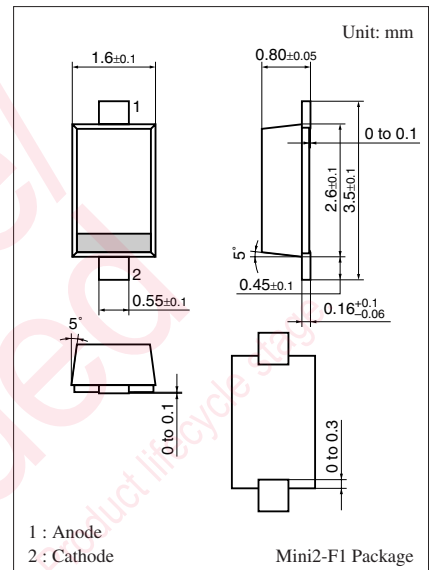
\*2: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

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

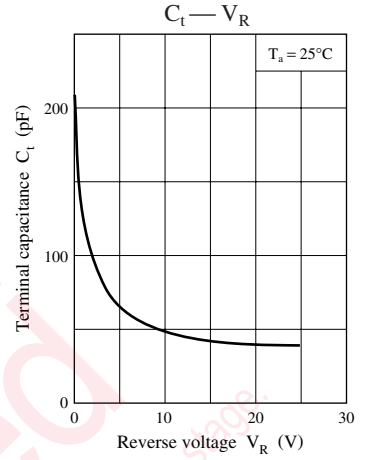
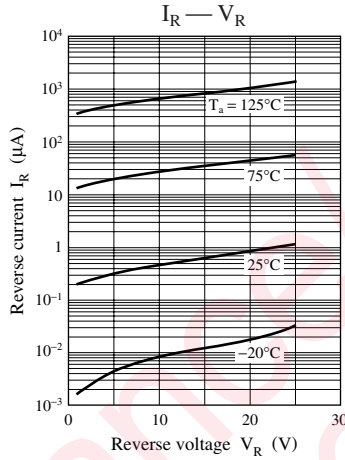
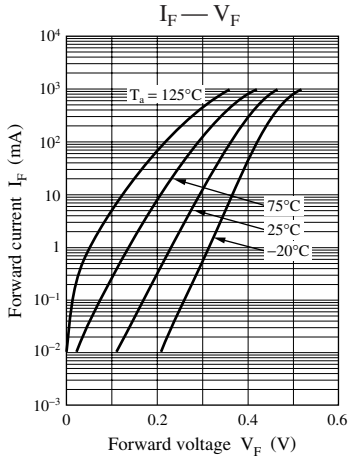
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	$V_{F1}$	$I_F = 0.5$ A		0.42	0.47	V
	$V_{F2}$	$I_F = 1.0$ A		0.46	0.55	
Reverse current	$I_{R1}$	$V_R = 15$ V		1.5	20.0	$\mu\text{A}$
	$I_{R2}$	$V_R = 20$ V		2.5	40.0	

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.



Marking Symbol: 2W



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 maintenance type  
 planned discontinued type  
 discontinued type  
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