

## **MA2YD15**

## Silicon epitaxial planar type

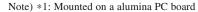
For high frequency rectification

#### ■ Features

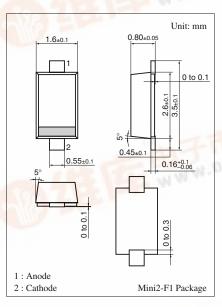
- $I_{F(AV)} = 1$  A rectification is possible
- Low forward voltage V<sub>F</sub>
- Small reverse current I<sub>R</sub>
- Mini type 2-pin package

### ■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	$V_R$	20	V
Repetitive peak reverse-voltage	V <sub>RRM</sub>	25	V
Average forward current *1	I <sub>F(AV)</sub>	1	A
Non-repetitive peak forward- surge-current *2	I <sub>FSM</sub>	3	A
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	$T_{stg}$	-55 to +125	°C



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

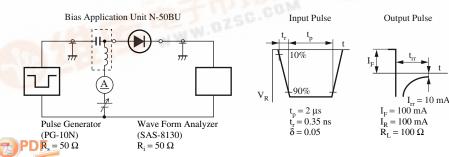


Marking Symbol: 2R

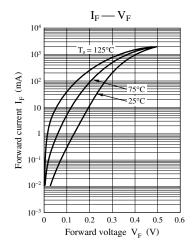
### ■ Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

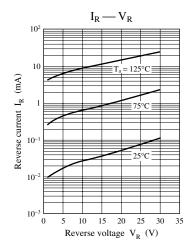
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	$I_R$	$V_R = 20 \text{ V}$			100	μΑ
Forward voltage (DC)	$V_{\mathrm{F}}$	I <sub>F</sub> = 1 A			0.45	V
Terminal capacitance	C <sub>t</sub>	$V_R = 0 \text{ V, } f = 1 \text{ MHz}$		120		pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 100 \text{ mA}$		10		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

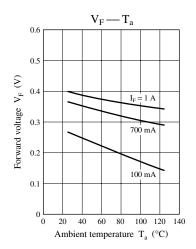
- Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
  - 2. \*: t<sub>rr</sub> measuring instrument

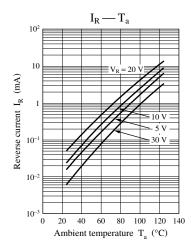


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