## **MA2YD17**

### Silicon epitaxial planar type

For high frequency rectification

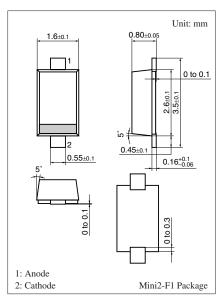
#### ■ Features

• Reverse voltage V<sub>R</sub> = 100 V is guaranteed

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

Parameter	Symbol	Rating	Unit
Reverse voltage	$V_R$	100	V
Maximum peak reverse voltage	$V_{RM}$	100	V
Forward current (Average)	$I_{F(AV)}$	300	mA
Non-repetitive peak forward surge current *	$I_{FSM}$	1.5	A
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	$T_{stg}$	-55 to +125	°C

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



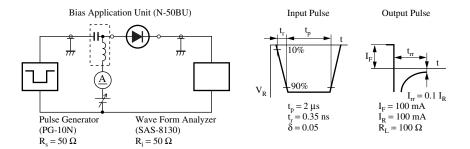
Marking Symbol: 2T

#### ■ Electrical Characteristics $T_a = 25$ °C $\pm 3$ °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V <sub>F</sub>	$I_F = 300 \text{ mA}$		0.50	0.58	V
Reverse current	$I_R$	$V_R = 100 \text{ V}$			200	μΑ
Terminal capacitance	C <sub>t</sub>	$V_R = 0 V, f = 1 MHz$		100		pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 100 \text{ mA}$		7		ns
		$I_{rr} = 0.1 I_R, R_L = 100 \Omega$				

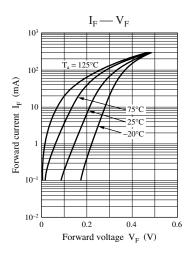
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

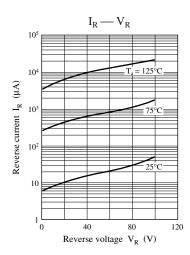
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. \*: t<sub>rr</sub> measurement circuit

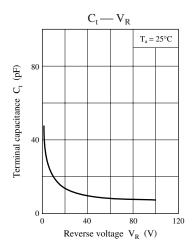


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## **Panasonic**







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