MA2YD17

Silicon epitaxial planar type

For high frequency rectification

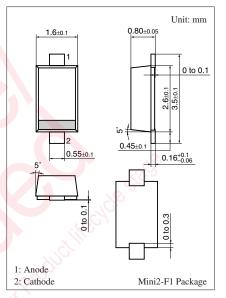
Features

• Reverse voltage $V_R = 100$ V is guaranteed

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	Tj	125	°C				
Storage temperature	T _{stg}	-55 to +125	°C				

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

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



Marking Symbol: 2T

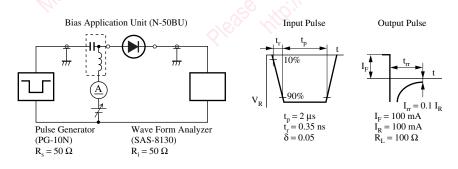
Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 300 \text{ mA}$	1	0.50	0.58	V
Reverse current	IR	V _R = 100 V	00	SOL	200	μΑ
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		100		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$	20	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.

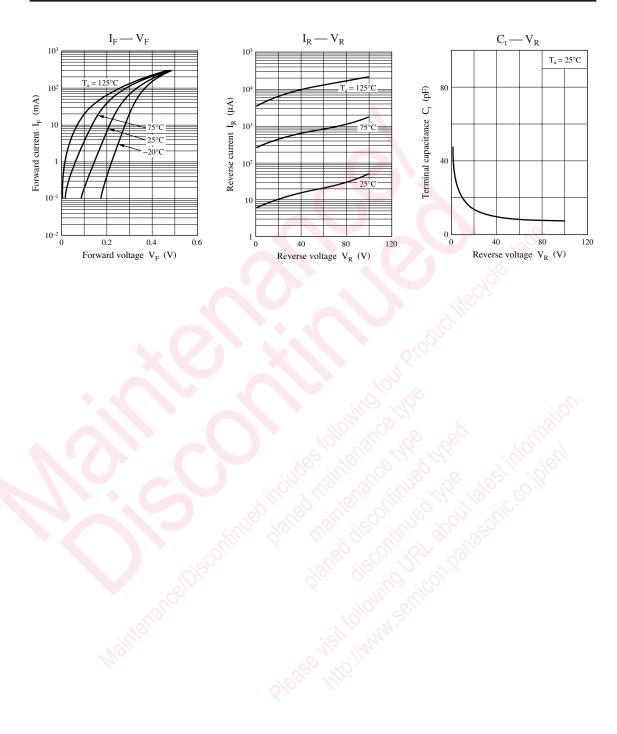
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. *: t_{rr} measurement circuit



MA2YD17

Panasonic



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