

MA2YD23

Silicon epitaxial planar type

For high frequency rectification

■ Features

- $I_{F(AV)} = 1$ A rectification is possible
- Low forward voltage V_F
- Small reverse current I_R
- Mini type 2-pin package

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

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	25	V
Repetitive peak reverse-voltage	V_{RRM}	25	V
Average forward current *1	$I_{F(AV)}$	1	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	$^\circ\text{C}$

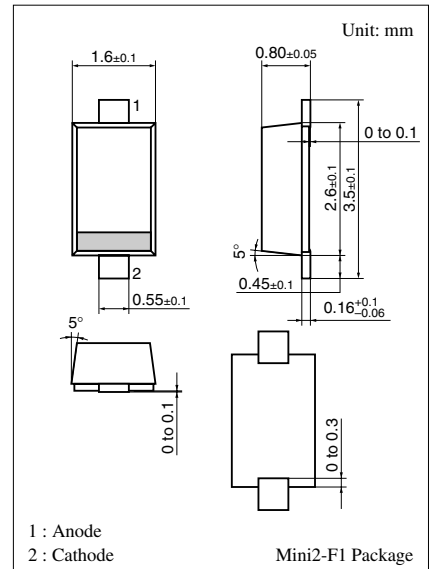
Note) *1: Mounted on a alumina PC board

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

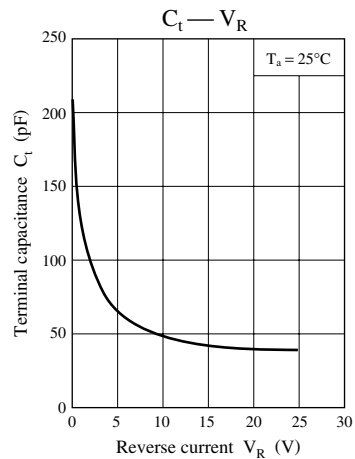
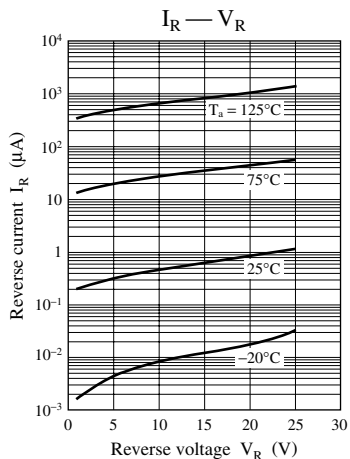
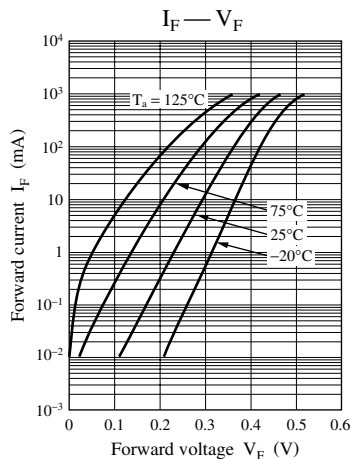
■ Electrical Characteristics $T_a = 25^\circ\text{C} \pm 3^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_{R1}	$V_R = 15$ V		1.5	20	μA
	I_{R2}	$V_R = 20$ V		2.5	40	
Forward voltage (DC)	V_{F1}	$I_F = 0.5$ A		0.42	0.47	V
	V_{F2}	$I_F = 1.0$ A		0.46	0.55	

Note) 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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