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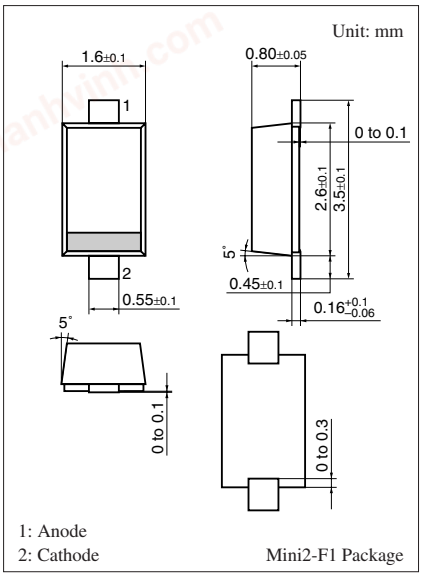
MA2YD17

Silicon epitaxial planar type

For high frequency rectification

■ Features

- Reverse voltage V_R = 100 V is guaranteed



Marking Symbol: 2T

■ Absolute Maximum Ratings T_a = 25°C

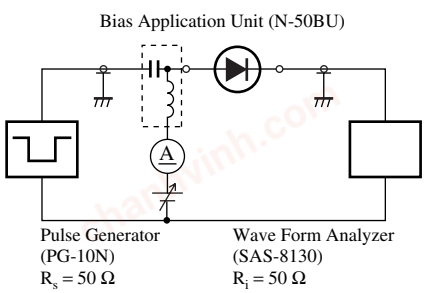
Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	100	V
Maximum peak reverse voltage	V_{RM}	100	V
Forward current (Average)	$I_{F(AV)}$	300	mA
Non-repetitive peak forward surge current *	I_{FSM}	1.5	A
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	−55 to +125	°C

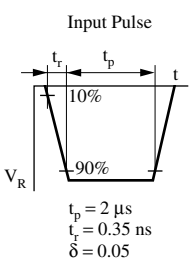
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

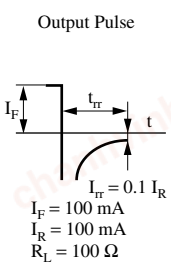
■ Electrical Characteristics T_a = 25°C ± 3°C

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Forward voltage	V_F	I_F = 300 mA		0.50	0.58	V
Reverse current	I_R	V_R = 100 V			200	µA
Terminal capacitance	C_t	V_R = 0 V, f = 1 MHz		100		pF
Reverse recovery time *	t_{rr}	$I_F = I_R$ = 100 mA I_{rr} = 0.1 I_R, R_L = 100 Ω		7		ns

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



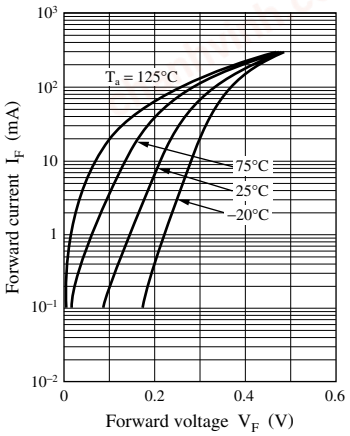




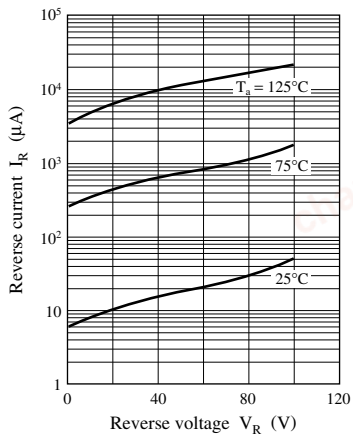
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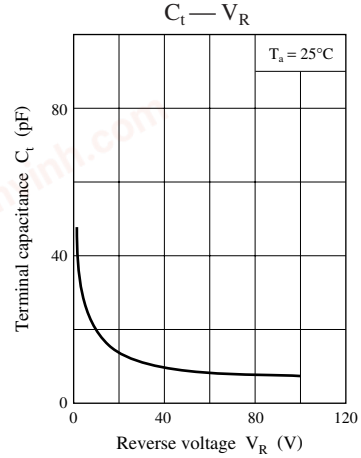
I_F — V_F



I_R — V_R



C_t — V_R



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