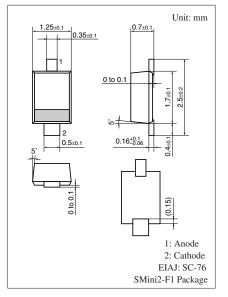
MA2J727

Silicon epitaxial planar type

For super high speed switching For small current rectification

Features

- $V_R = 50$ V is guaranteed
- $I_{F(AV)} = 200 \text{ mA}$ rectification is possible



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

Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	50	V
Repetitive peak reverse voltage	V _{RRM}	50	V
Peak forward current	I_{FM}	300	mA
Forward current (Average)	I _{F(AV)}	200	mA
Non-repetitive peak forward surge current *	I _{FSM}	1	А
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C

Marking Symbol: 2F

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

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current	I _R	$V_R = 50 V$			200	μΑ
Forward voltage	V _{F1}	$I_F = 30 \text{ mA}$			0.36	V
	V _{F2}	I _F = 200 mA			0.55	V
Terminal capacitance	Ct	$V_R = 0 V, f = 1 MHz$		30		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 10 \text{ mA}, R_{L} = 100 \Omega$				

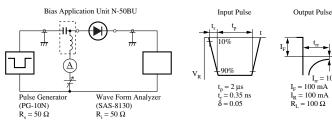
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

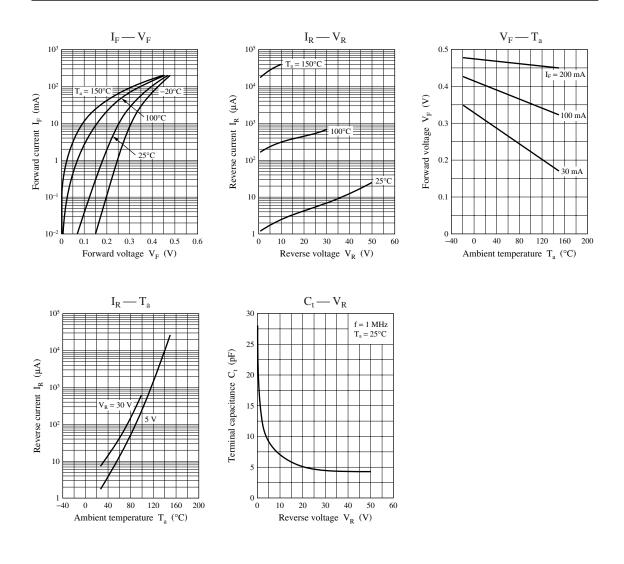
2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

4. *: trr measurement circuit

 $= 10 \, \text{mA}$

3. Absolute frequency of input and output is 1 GHz.





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