# MA2Q736 (MA736)

## Silicon epitaxial planar type

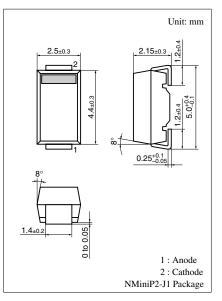
For high frequency rectification

#### Features

- $I_{F(AV)} = 1$  A rectification is possible
- $V_R = 40$  V is guaranteed
- Automatic insertion with the emboss taping is possible
- New Mini-power 2-pin package

Parameter	Symbol	Symbol Rating	
Reverse voltage (DC)	V <sub>R</sub>	40	V
Peak reverse voltage	V <sub>RRM</sub>	40	V
Average forward current *1	I <sub>F(AV)</sub>	1	А
Non-repetitive peak forward- surge-current *2	I <sub>FSM</sub>	30	А
Junction temperature	Tj	-40 to +125	°C
Storage temperature	T <sub>stg</sub>	-40 to +125	°C





#### Marking Symbol: PB

Note) \*1: With a printed circuit board (copper foil area 2 mm × 2 mm or more on both cathode and anode sides)

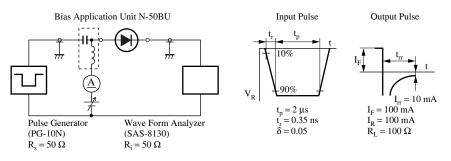
\*2: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

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

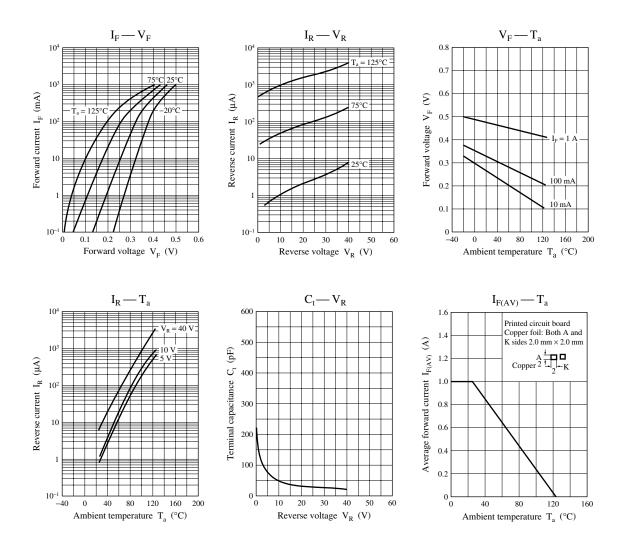
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I <sub>R</sub>	$V_R = 40 V$			2	mA
Forward voltage (DC)	V <sub>F</sub>	$I_F = 1 A$			0.55	V
Terminal capacitance	Ct	$V_{R} = 10 V, f = 1 MHz$		50		pF
Reverse recovery time *	t <sub>rr</sub>	$I_F = I_R = 100 \text{ mA}$			30	ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

Note) 1. 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.

- 2. Rated input/output frequency: 20 MHz
- 3. \*: t<sub>rr</sub> measuring instrument



Note) The part number in the parenthesis shows conventional part number.



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