MA2Q735 (MA735)

Silicon epitaxial planar type

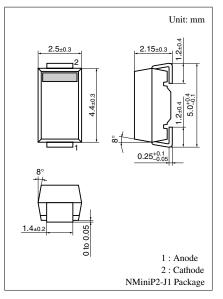
For high frequency rectification

Features

- $I_{F(AV)} = 1$ A rectification is possible
- $V_R = 30$ V is guaranteed
- Automatic insertion with the emboss taping is possible
- New Mini-power 2-pin package

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

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



Marking Symbol: PA

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

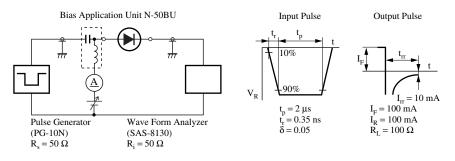
*2: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

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

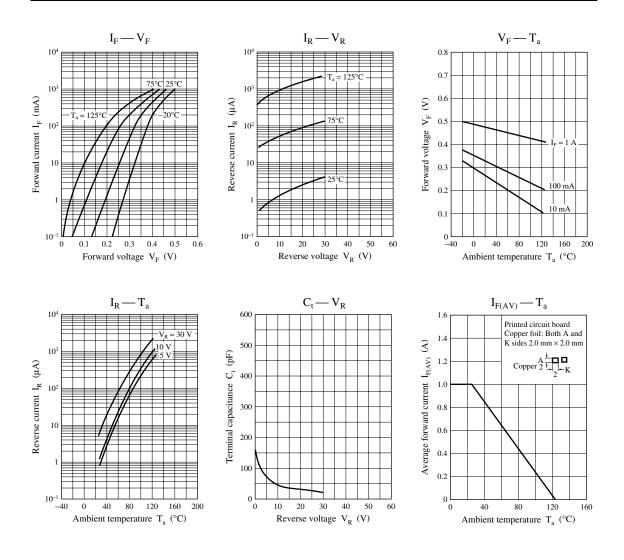
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	IR	$V_R = 30 V$			1	mA
Forward voltage (DC)	V _F	$I_F = 1 A$			0.5	V
Terminal capacitance	Ct	$V_{R} = 10 V, f = 1 MHz$		50		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$			30	ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

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_{rr} measuring instrument



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



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