MA2Q735 (MA735)

Silicon epitaxial planar type

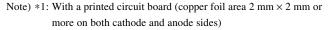
For high frequency rectification

■ Features

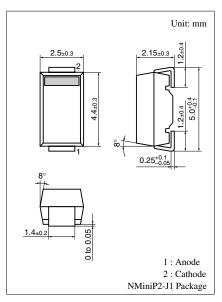
- $I_{F(AV)} = 1$ A rectification is possible
- $V_R = 30 \text{ V}$ is guaranteed
- Automatic insertion with the emboss taping is possible
- New Mini-power 2-pin package

■ Absolute Maximum Ratings $T_a = 25$ °C

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	A
Non-repetitive peak forward- surge-current *2	I _{FSM}	30	A
Junction temperature	T_{j}	-40 to +125	°C
Storage temperature	T_{stg}	-40 to +125	°C



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

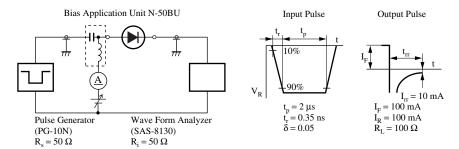


Marking Symbol: PA

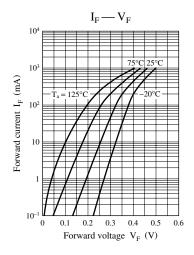
■ Electrical Characteristics $T_a = 25$ °C

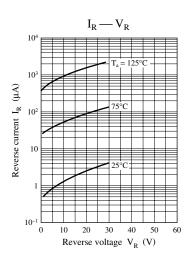
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 30 \text{ V}$			1	mA
Forward voltage (DC)	V _F	$I_F = 1 A$			0.5	V
Terminal capacitance	C _t	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		50		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$			30	ns
		$I_{rr} = 10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

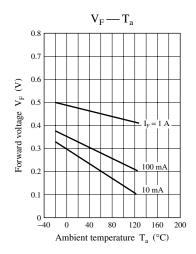
- Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
 - 2. Rated input/output frequency: 20 MHz
 - 3. *: t_{rr} measuring instrument

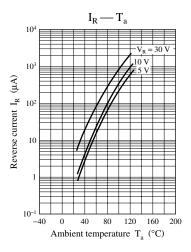


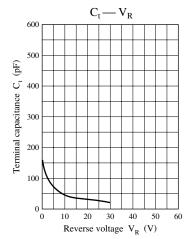
Note) The part number in the parenthesis shows conventional part number.

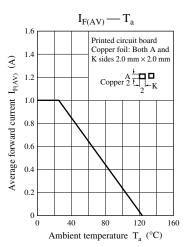












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