MA2Q735 (MA735)

Silicon epitaxial planar type

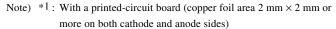
For switching circuits

■ Features

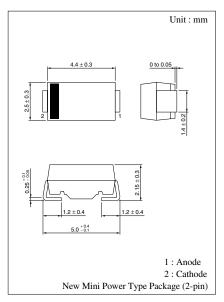
- Forward current (average) I_{F(AV)}: 1 A type
- Reverse voltage (DC value) V_R: 30 V
- Allowing automatic insertion with the emboss taping

■ 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)

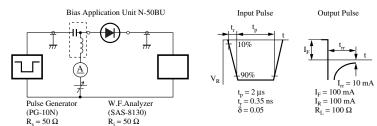


Marking Symbol: PA

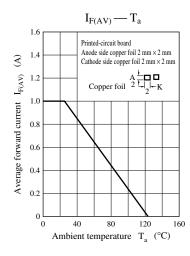
■ Electrical Characteristics $T_a = 25$ °C

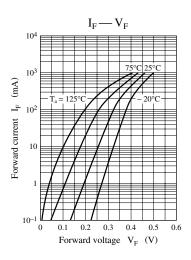
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 30 \text{ V}$			1	mA
Forward voltage (DC)	$V_{\rm F}$	$I_F = 1 A$			0.5	V
Terminal capacitance	C _t	$V_R = 10 \text{ V}, f = 1 \text{ MHz}$		50		pF
Reverse recovery time*	t _{rr}	$I_F = I_R = 100 \text{ mA}$ $I_{rr} = 10 \text{ mA}, R_I = 100 \Omega$			30	ns
		-H 10 HH 1, 14L 100				

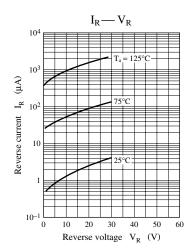
- Note) 1. Schottky barrier diode is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment
 - 2. Rated input/output frequency: 20 MHz
 - 3. *: t_{rr} measuring instrument

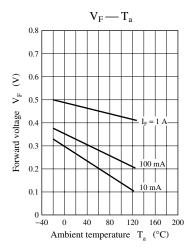


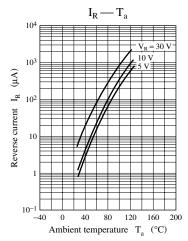
Note) The part number in the parenthesis shows conventional part number.

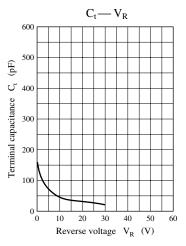












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