

MA2Z748

Silicon epitaxial planar type

For super high speed switching

For small current rectification

■ Features

- Low V_F type of MA3X720 (MA720)
- Low forward voltage V_F and good rectification efficiency
- Optimum for high frequency rectification because of its short reverse recovery time (t_{rr})
- S-Mini type 2-pin package

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

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	20	V
Repetitive peak reverse-voltage	V_{RRM}	20	V
Average forward current	$I_{F(AV)}$	300	mA
Non-repetitive peak forward-surge-current *	I_{FSM}	3	A
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

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

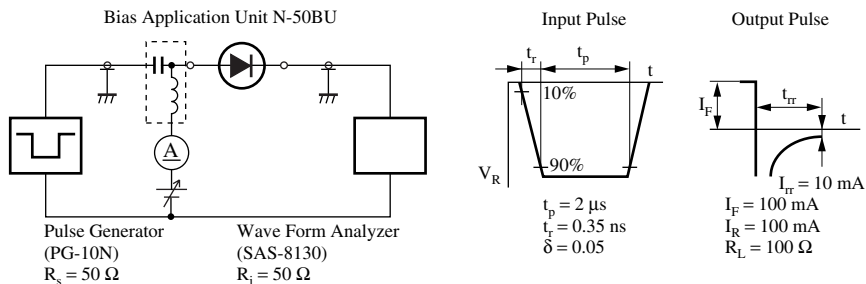
■ Electrical Characteristics $T_a = 25^\circ\text{C}$

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 10\text{ V}$			30	μA
Forward voltage (DC)	V_F	$I_F = 300\text{ mA}$			0.4	V
Terminal capacitance	C_t	$V_R = 0\text{ V}, f = 1\text{ MHz}$		60		pF
Reverse recovery time *	t_{rr}	$I_F = I_R = 100\text{ mA}$ $I_{rr} = 10\text{ mA}, R_L = 100\ \Omega$		5		ns

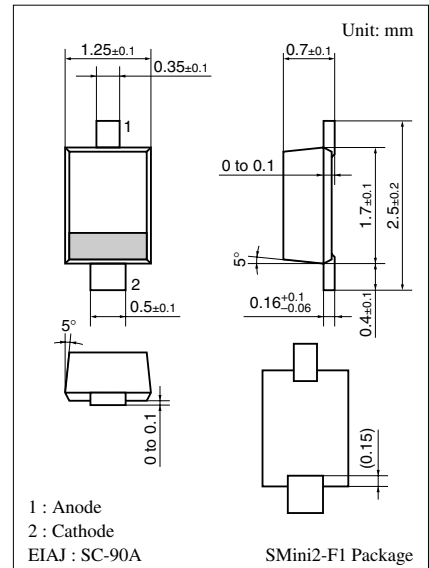
Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

2. Rated input/output frequency: 400 MHz

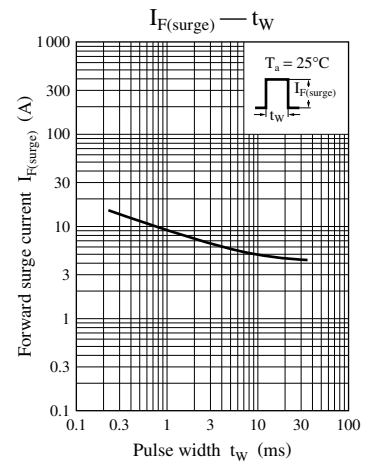
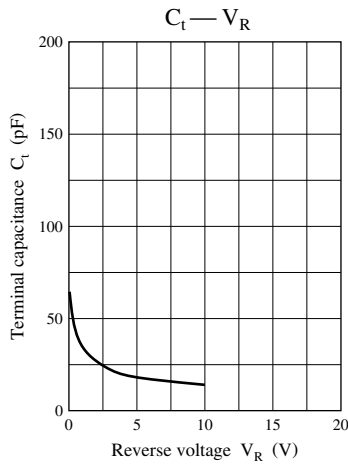
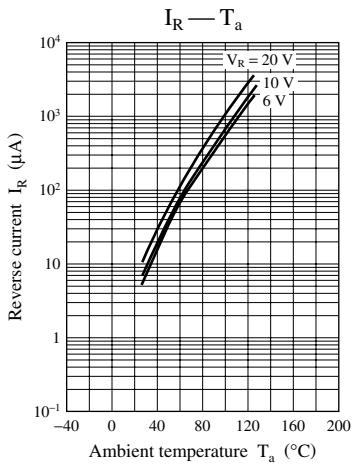
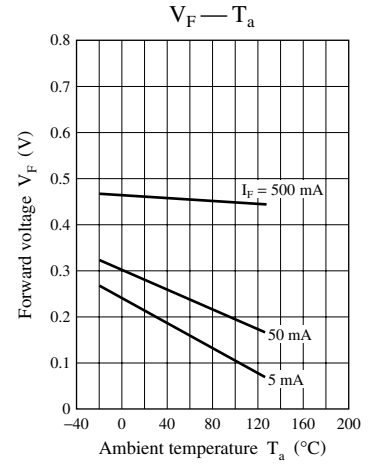
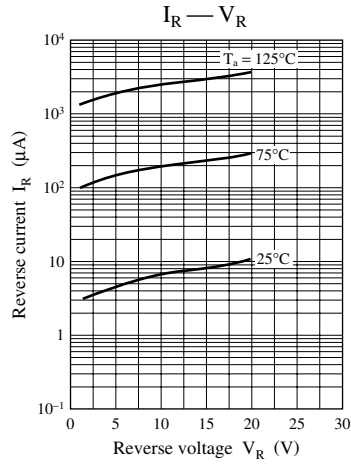
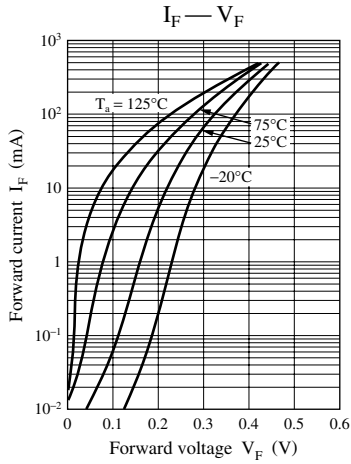
3. *: t_{rr} measuring instrument



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



Marking Symbol: 2K



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