MA2J728 (MA728)

Silicon epitaxial planar type

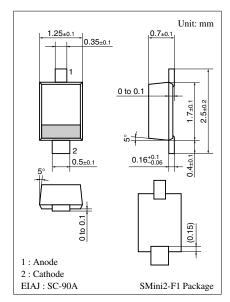
For super high speed switching For wave detection

■ Features

- \bullet Low forward voltage V_F and good wave detection efficiency η
- Small reverse current I_R
- Small temperature coefficient of forward characteristic
- S-Mini type 2-pin package

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	30	V
Peak reverse voltage	V_{RM}	30	V
Peak forward current	I_{FM}	150	mA
Forward current (DC)	I_F	30	mA
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

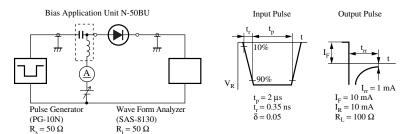


Marking Symbol: 2A

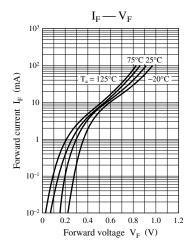
■ Electrical Characteristics $T_a = 25$ °C

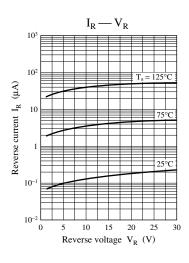
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 30 \text{ V}$			300	nA
Forward voltage (DC)	V _{F1}	I _F = 1 mA			0.4	V
	V_{F2}	$I_F = 30 \text{ mA}$			1.0	
Terminal capacitance	C _t	$V_R = 1 \text{ V}, f = 1 \text{ MHz}$		1.5		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 10 \text{ mA}$ $I_{rr} = 1 \text{ mA}, R_L = 100 \Omega$		1.0		ns
Detection efficiency	η	$V_{in} = 3 \ V_{(peak)}$, f = 30 MHz $R_L = 3.9 \ k\Omega$, $C_L = 10 \ pF$		65		%

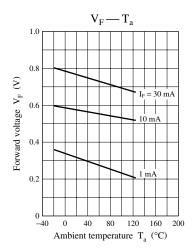
- Note) 1. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
 - 2. Rated input/output frequency: 2 GHz
 - 3. *: t_{rr} measuring instrument

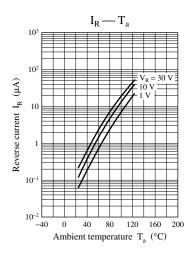


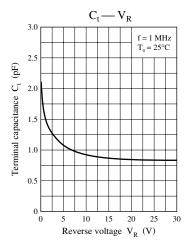
Note) The part number in the parenthesis shows conventional part number.











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