MA2J704 (MA10704)

Silicon epitaxial planar type

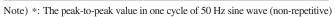
For super high speed switching

■ Features

- Forward current (Average) $I_{F(AV)} = 200 \text{ mA}$ rectification is possible
- Small reverse current I_R (About 1/10 of I_R of the ordinary products)

■ Absolute Maximum Ratings T_a = 25°C

Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	20	V
Repetitive peak reverse voltage	V _{RRM}	20	V
Peak forward current	I_{FM}	300	mA
Forward current (Average)	I _{F(AV)}	200	mA
Non-repetitive peak forward surge current *	I _{FSM}	1	A
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C



Unit: mm 1.25±0.1 0.35±0.1 0 to 0.1 1: Anode 2: Cathode EIAJ: SC-76 Unit: mm 0.7±0.1 0

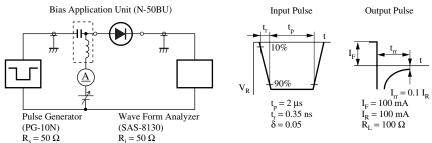
Marking Symbol: 2S

■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

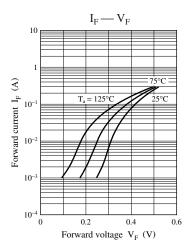
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 200 \text{ mA}$			0.55	V
Reverse current	I_{R1}	$V_R = 10 \text{ V}$			2	μΑ
	I _{R2}	$V_R = 20 \text{ V}$			5	
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		30		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		3.0		ns
		$I_{rr} = 0.1 \ I_R$, $R_L = 100 \ \Omega$				

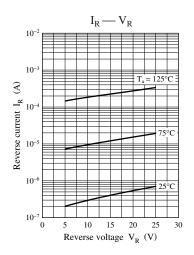
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

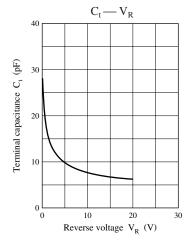
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Absolute frequency of input and output is 1 GHz.
- 4. *: t_{rr} measurement circuit



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







2 SKH00013BED

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