MA2Z7480G

Silicon epitaxial planar type

For super high speed switching For small current rectification

■ Features

- Low V_F type of MA3X720
- Low forward voltage V_F and good rectification efficiency
- Optimum for high frequency rectification because of its short reverse recovery time t_{rr}

Package

- Code SMini2-F3
- Pin Name
 - 1: Anode
 - 2: Cathode

■ 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
Forward current (Average)	I _{F(AV)}	300	mA
Non-repetitive peak forward surge current *	I_{FSM}	3	A
Junction temperature	T _j	125	°C
Storage temperature	T_{stg}	-55 to +125	°C

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

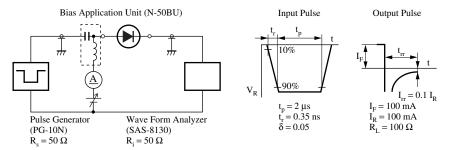
■ Marking Symbol: 2K

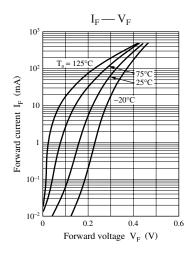
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

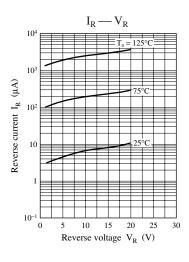
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 300 \text{ mA}$			0.4	V
Reverse current	I_R	$V_R = 10 \text{ V}$			30	μΑ
Terminal capacitance	C _t	$V_R = 0 \text{ V, f} = 1 \text{ MHz}$		60		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		5		ns
		$I_{rr} = 0.1 I_{R}, R_{L} = 100 \Omega$				

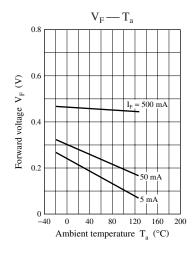
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

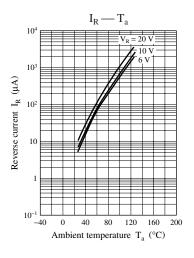
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Absolute frequency of input and output is 400 MHz.
- 4.*: t_{rr} measurement circuit

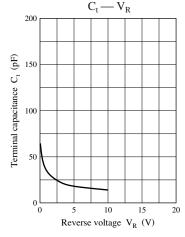


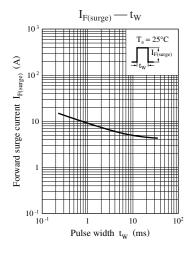


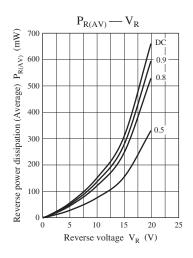


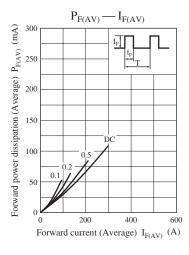


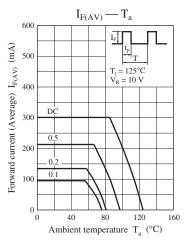






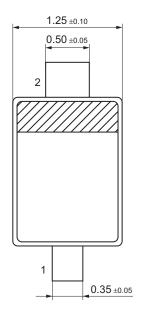


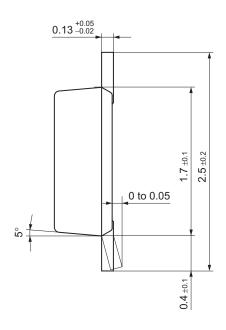


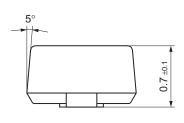


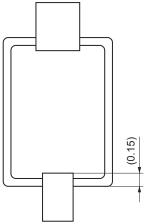
2 SKH00186AED

SMini2-F3 Unit: mm









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