MA2C723 (MA723)

Silicon epitaxial planar type

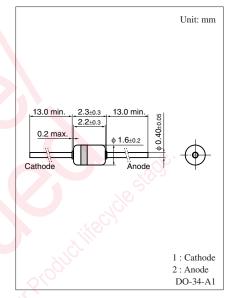
For super high speed switching For small current rectification

Features

- Forward current (Average) $I_{F(AV)} = 200$ mA rectification is possible
- High-density mounting (5 mm pitch insertion) is possible

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Parameter	Symbol	Rating	Unit
Reverse voltage	V _R	30	V
Repetitive peak reverse voltage	V _{RRM}	30	V
Non-repetitive peak forward surge current *	I _{FSM}	1.5	A
Peak forward current	I _{FM}	300	mA
Forward current (Average)	I _{F(AV)}	200	mA
Junction temperature	Tj	150	°C
Storage temperature	T _{stg}	-55 to +150	°C





Cathode Mark: Pink

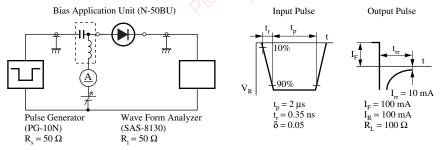
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	V _F	$I_F = 200 \text{ mA}$	20 ⁻	SOL	0.55	V
Reverse current	IR	$V_R = 30 V$	s al	0-	15	μΑ
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$	$\sim 2^{\circ}$	20		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		2.0		ns
		$I_{rr} = 10 \text{ mA}, R_L = 100 \Omega$				

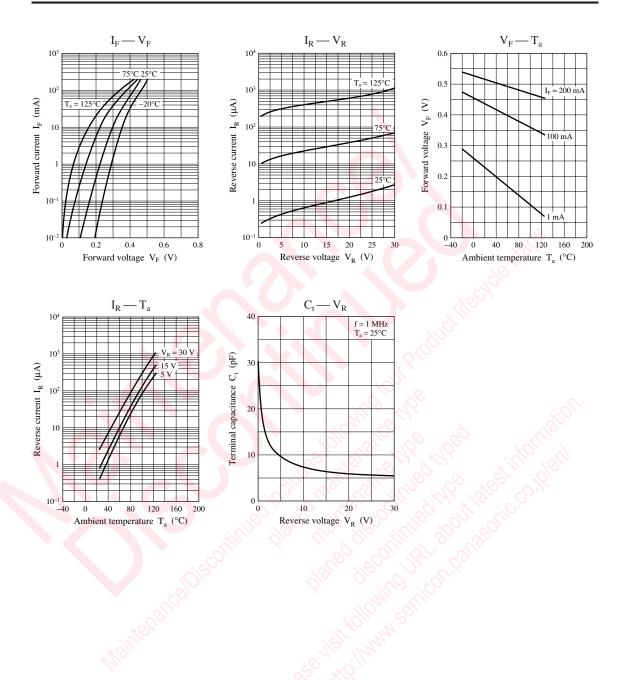
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

- 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.

Panasonic



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