MA2C719 (MA719)

Silicon epitaxial planar type

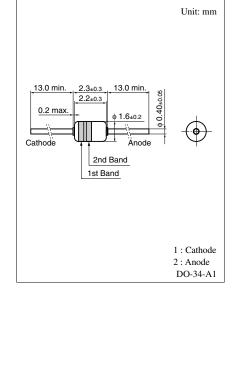
For high frequency rectification

■ Features

- $I_{F(AV)} = 500$ mA rectification is possible
- High-density mounting (5 mm pitch insertion) is possible
- Optimum for high frequency rectification because of its short reverse recovery time (t_{rr})
- Low forward voltage V_F and good rectification efficiency
- DO-34-A1(DHD) package

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	40	V
Repetitive peak reverse-voltage	V _{RRM}	40	V
Peak forward current	I_{FM}	1	A
Average forward current	I _{F(AV)}	500	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



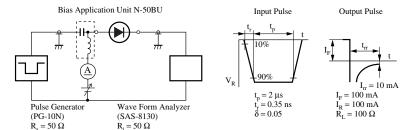
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

■ Electrical Characteristics $T_a = 25$ °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 35 \text{ V}$			100	μΑ
Forward voltage (DC)	V _F	$I_F = 500 \text{ mA}$			0.55	V
Terminal capacitance	C _t	$V_R = 0 V, f = 1 MHz$		60		pF
Reverse recovery time *	t _{rr}	$I_F = I_R = 100 \text{ mA}$		5		ns
		$I_{rr} = 10 \text{ mA}, R_{L} = 100 \Omega$				

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

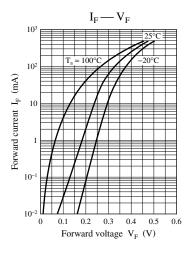


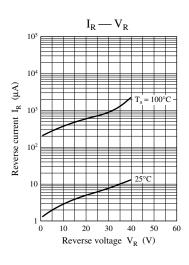
Cathode Mark

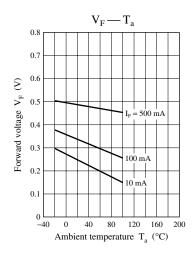
	1st Band	2nd Band		
Color	Silver	Silver		

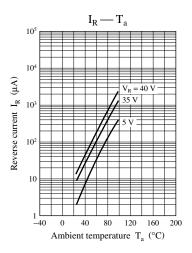
Note) The part number in the parenthesis shows conventional part number.

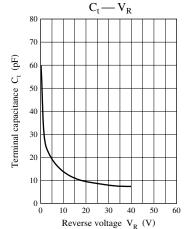
MA2C719 Panasonic

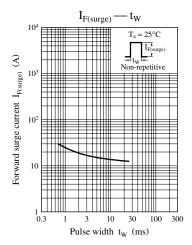












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