MA2C719 (MA719)

Silicon epitaxial planar type

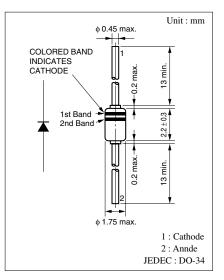
For high-frequency rectification

Features

- DO-34 (DHD) package, allowing to rectify under ($I_{F(AV)} = 500$ mA) condition
- Allowing high-density mounting (5 mm pitch insertion)
- Optimum for high-frequency rectification because of its short reverse recovery time (t_{rr})
- High rectification efficiency caused by its low forward-rise-voltage (V_F)
- High reliability achieved by the glass sealed package

Absolute Maximum Ratings $T_a = 25^{\circ}C$

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	А
Average forward current	I _{F(AV)}	500	mA
Non-repetitive peak forward surge current*	I _{FSM}	30	А
Junction temperature	Tj	125	°C
Storage temperature	T _{stg}	-55 to +125	°C



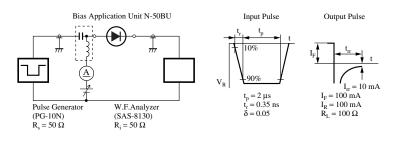
Note) * : The peak-to-peak value in one cycle of 50 Hz sine-wave (non-repetitive)

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

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

Note) 1. Schottky barrier diode 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

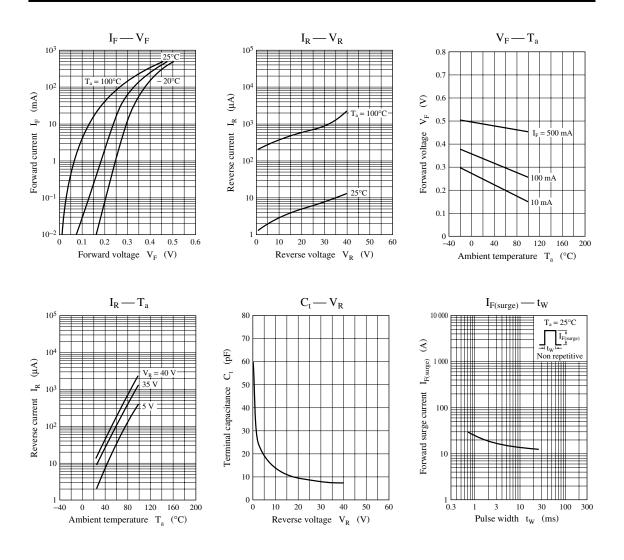
- 2. Rated input/output frequency: 400 MHz
- 3. *: t_{rr} measuring instrument



Cathode Indication

	1st Band	2nd Band
Color	Silver	Silver

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



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