MA2C185 (MA185)

Silicon epitaxial planar type

For high-voltage switching circuits, small power rectification

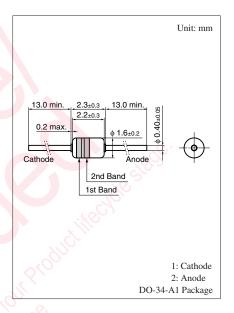
■ Features

- High reverse voltage
- ullet Large output current $I_{\rm O}$
- Allowing to insert into a 5 mm pitch hole

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage	V_R	200	V
Maximum peak reverse voltage	V_{RM}	250	V
Output current	Io	200	mA
Repetitive peak forward current	I _{FRM}	625	mA
Non-repetitive peak forward surge current *	I _{FSM}	1	A
Power dissipation (Average)	$P_{D(AV)}$	400	mW
Junction temperature	Tj	175	°C
Storage temperature	T_{stg}	-65 to +175	°C





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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_{\rm F}$	$I_F = 200 \text{ mA}$	160		1.2	V
Reverse voltage	V_R	$I_R = 100 \mu A$	250			V
Reverse current	I_R	V _R = 200 V			200	nA

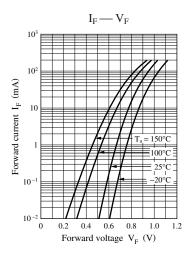
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

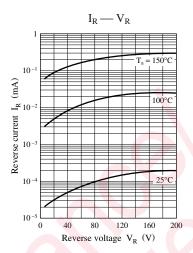
■ Cathode Indication

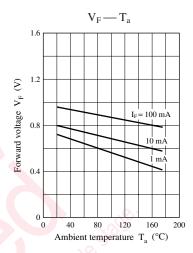
Type No.		
Color	1st Band	White
	2nd Band	Green

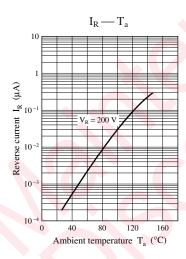
Note) The part number in the parenthesis shows conventional part number.

^{2.} Absolute frequency of input and output is 3 MHz.









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