MA2C185 (MA185)

Silicon epitaxial planar type

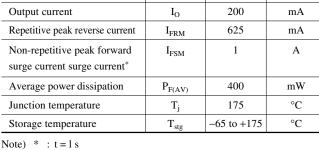
For high-voltage switching circuits, small power rectification

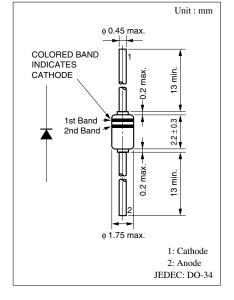
■ Features

- High reverse voltage ($V_R = 200 \text{ V}$)
- Large output current IO
- Small glass type (DO-34) package, allowing to insert into a 5 mm pitch hole

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Reverse voltage (DC)	V_R	200	V
Repetitive peak reverse voltage	V _{RRM}	250	V
Output current	I_{O}	200	mA
Repetitive peak reverse current	I_{FRM}	625	mA
Non-repetitive peak forward surge current surge current*	I_{FSM}	1	A
Average power dissipation	P _{F(AV)}	400	mW
Junction temperature	T _j	175	°C
Storage temperature	T_{stg}	-65 to +175	°C





■ Electrical Characteristics $T_a = 25$ °C

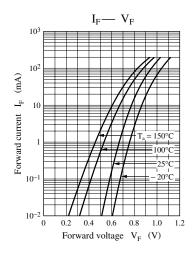
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I_R	$V_R = 200 \text{ V}$			200	nA
Forward voltage (DC)	V_{F}	$I_F = 200 \text{ mA}$			1.2	V
Reverse voltage (DC)	V _R	$I_R = 100 \mu A$	250			V
Terminal capacitance	C_{t}	$V_R = 0 \text{ V}, f = 1 \text{ MHz}$		4.5		pF

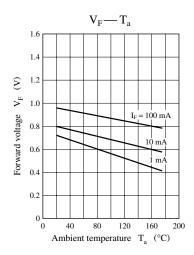
Note) Rated input/output frequency: 3 MHz

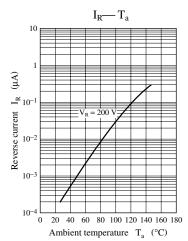
■ Cathode Indication

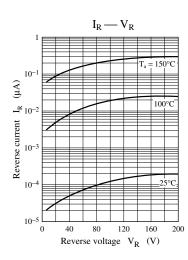
Type No.		MA2C185			
Color	1st Band	White			
	2nd Band	Green			

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









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