

MA2P291

Silicon planar type

For small power current rectification

■ Features

- Sealed in the Mini-power type package
- Allowing automatic assembly and downsizing of a set
- Applicable to the AC line (lead pin pitch: 3 mm)
- Allowing to supply with the magazine package

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

Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	250	V
Non-repetitive peak forward surge voltage*	V_{RSM}	300	V
Reverse voltage (DC)	V_R	200	V
Output current	I_O	200	mA
Repetitive peak forward current	I_{FRM}	300	mA
Non-repetitive peak forward surge current*	I_{FSM}	6	A
Junction temperature	T_j	125	$^\circ\text{C}$
Storage temperature	T_{stg}	-55 to +125	$^\circ\text{C}$

Note) *1 : 60 Hz sine half-wave (non-repetitive)

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 200\text{ V}$			1	μA
Forward voltage (DC)	V_F	$I_F = 200\text{ mA}$		1	1.3	V
Thermal resistance	$R_{th(j-a)}$			0.4		$^\circ\text{C/mW}$

Note) Rated input/output frequency: 5 MHz



