

MA291

Silicon epitaxial planer type

For small power current rectification

■ Features

- Sealed in a Mini-power package
- For automation of assembly and down sizing of a set
- Applicable to the AC line (lead pin distance: 3mm)
- Supplied in a form of magazine package

■ Absolute Maximum Ratings (Ta= 25°C)

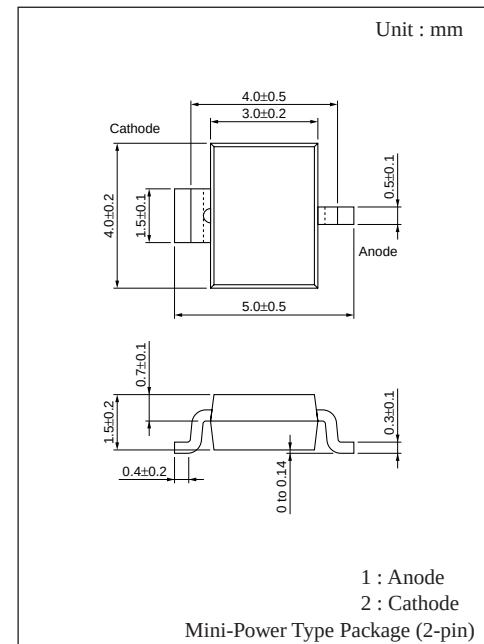
Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	250	V
Non-repetitive peak reverse surge voltage	V_{RSM}^*	300	V
Reverse voltage (DC)	V_R	200	V
Output current	I_O	200	mA
Repetitive peak forward current	I_{FRM}	300	mA
Non-repetitive peak forward surge current	I_{FSM}^*	6	A
Junction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

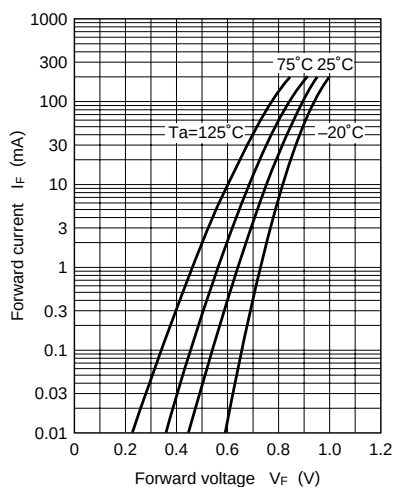
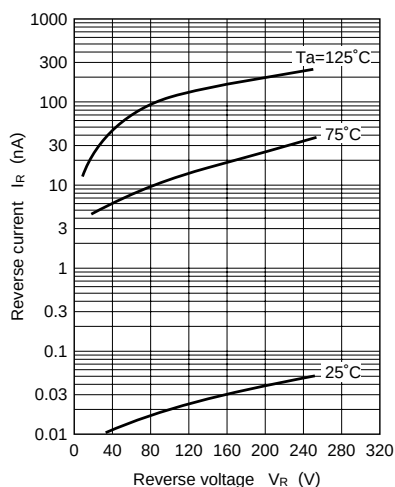
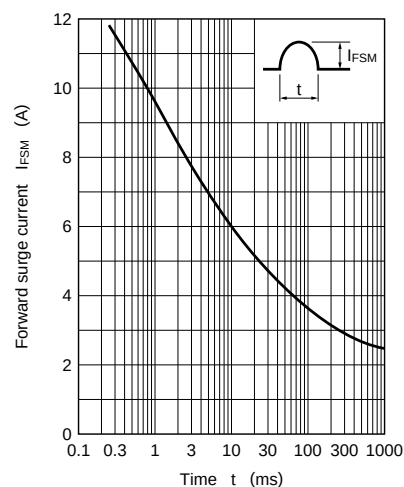
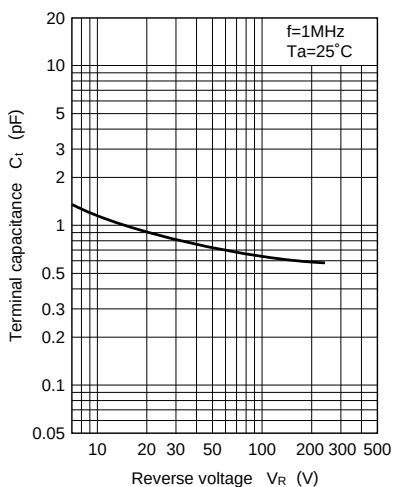
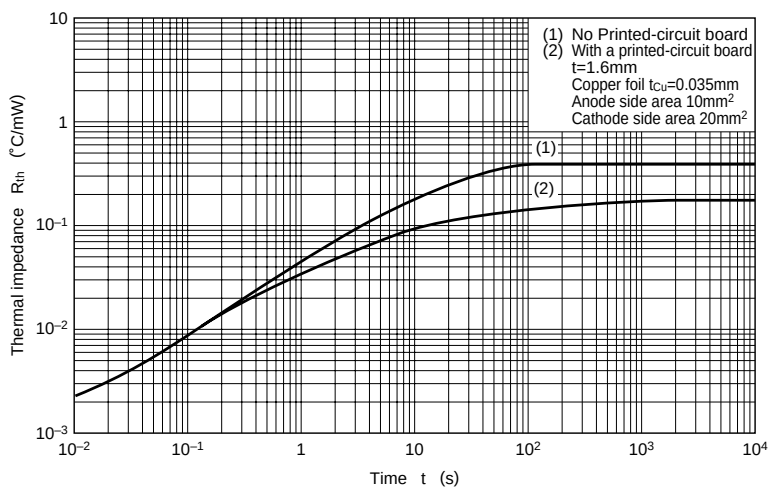
* 50Hz sine half-wave (non-repetitive)

■ Electrical Characteristics (Ta= 25°C)

Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	I_R	$V_R = 200V$			1	μA
Forward voltage (DC)	V_F	$I_F = 200mA$		1	1.3	V
Thermal resistance	$R_{th(j-a)}$			0.4		°C/mW

❖ Rated input/output frequency : 5MHz



$I_F - V_F$  $I_R - V_R$  $I_{FSM} - t$  $C_t - V_R$  $Z_{th} - t$  $P_D - T_a$ 