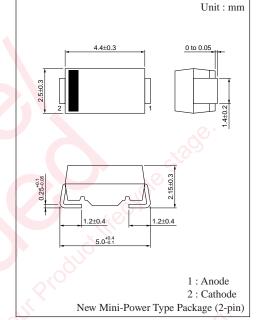
MA2QA01 (Tentative)

Silicon diodes

For power rectification

Features

- New Mini-power type package (2 pins)
- V_R = 400V, I_F =1.0A



Absolute Maximum Ratings ($Ta = 25^{\circ}C$)

	. .			
Parameter	Symbol	Rating	Unit	
Repetitive peak reverse voltage	V _{RRM}	400	V	
Average forward current	$I_{F(AV)} *^1$	** ¹ 1 ** ² 0.75	А	
Non-repetitive peak forward surge current	I _{FSM} * ²	30	А	
Junction temperature	Tj	150	°C	
Storage temperature	T _{sto}	- 55 to +150	°C	

Marking Symbol : PM

* 1 With a printed-circuit board

*² 50Hz sine half-wave (non-repetitive)

* ¹ Alumina board mounted ($50mm \times 20mm \times t 1.0mm$)

*² Glass epoxy board mounted (50mm \times 20mm \times t 1.6mm)

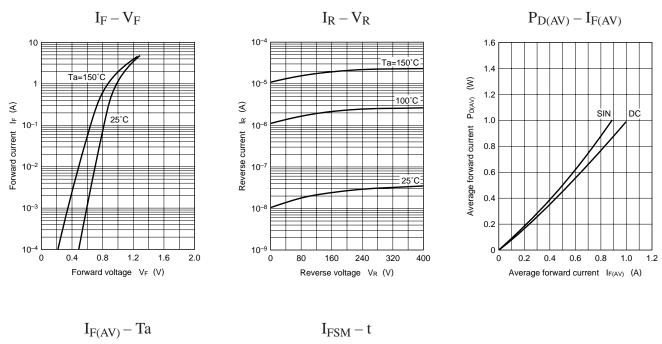
■ Electrical Characteristics (Ta= 25°C)

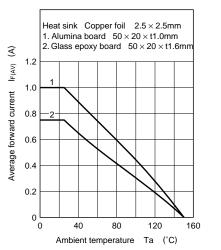
Parameter	Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	IR	$V_{R} = 400V$			10	μΑ
Forward voltage (DC)	VF	IF=1.0A			1.1	V
Thermal resistance R _{th(j-a)} *	Alumina board mounted (50mm × 20mm × t 1.0mm)		55		°C/W	
	Glass epoxy board mounted (50mm × 20mm × t 1.6mm)		175			

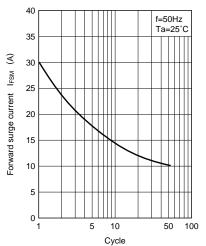
Rated input/output frequency : 100kHz

Marking

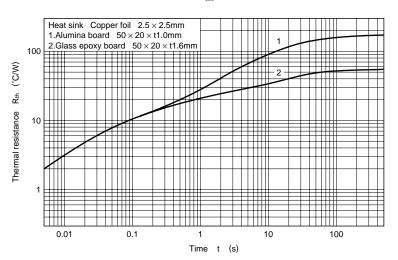








 $R_{th}-t$





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