MA4X174 (MA174)

Silicon planar type

For small power rectification and surge absorption

Features

- Two isolated elements contained in one package, allowing highdensity mounting
- High voltage (V_R: 200 V) rectification is possible

Parameter	Symbol	Rating	Unit				
Reverse voltage (DC)	V _R	200	V				
Repetitive peak reverse voltage	V _{RRM}	250	V				
Non-repetitive peak forward surge current	V _{RSM}	300	V				
Output current*1	I _O	100	mA				
Repetitive peak forward current*1	I _{FRM}	225	mA				
Non-repetitive peak forward surge current ^{*1,2}	I _{FSM}	500	mA				
Junction temperature	Tj	125	°C				
Storage temperature	T _{stg}	-55 to +125	°C				

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

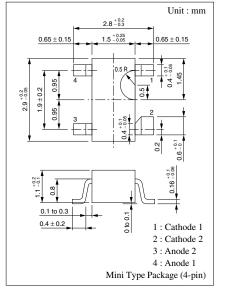
Note) *1: Value in single diode used

*2: t = 1 s

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

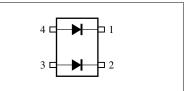
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 200 V$			1.0	μΑ
Forward voltage (DC)	V _F	$I_F = 100 \text{ mA}$			1.3	V

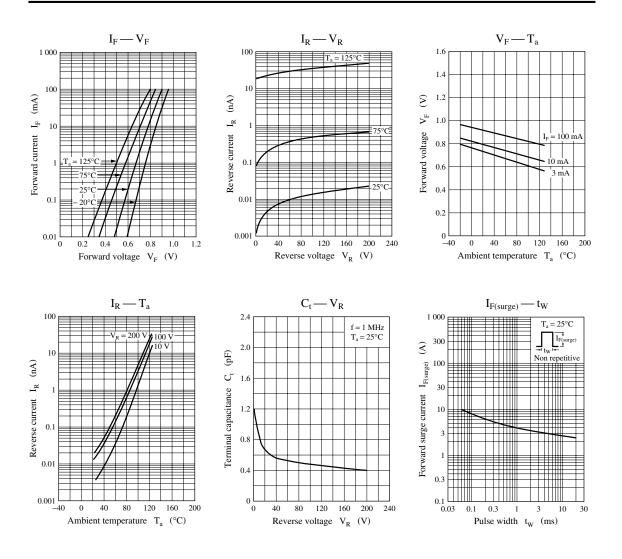
Note) 1. Rated input/output frequency: 3 MHz



Marking Symbol: M2Q

Internal Connection





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