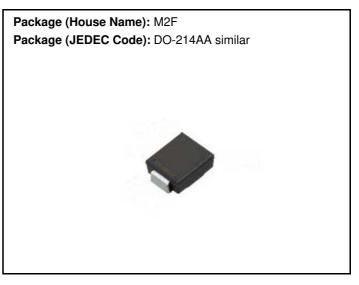
M3F60

General Rectifying Diodes 600V, 3.0A

Feature

- Small SMD
- · Available for automotive use
- · Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit

Absolute Maximum Ratings (unless otherwise specified : TI=25°C)

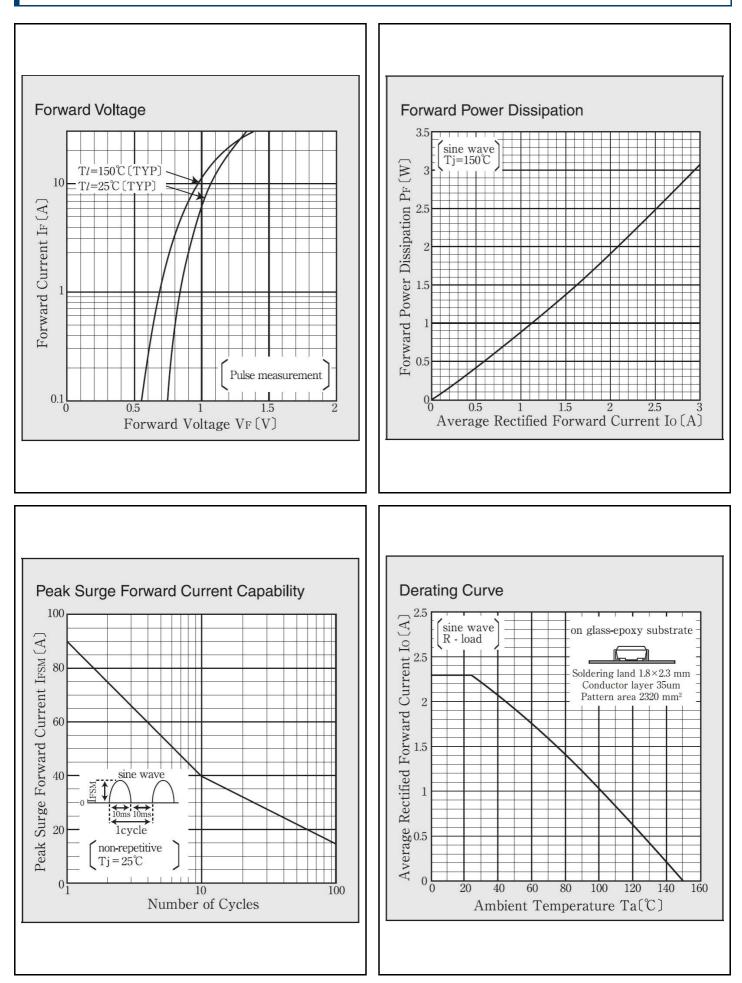
Item	Item Symbol Conditions		Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		-55 to 150	°C
Repetitive peak reverse voltage	V _{RRM}		600	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, TI=100°C	3	А
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C *	2.3	A
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	90	A
Current squared time	l ² t	1ms≦tp<10ms, Tj=25°C	40	A ² s

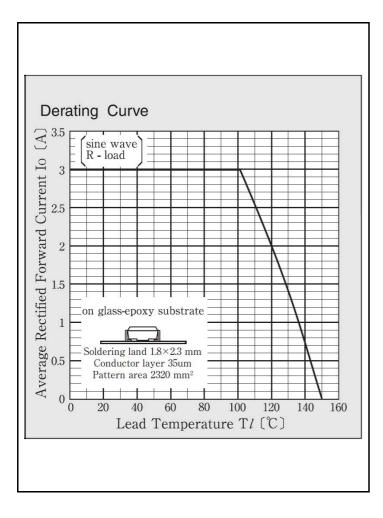
* : See the original Specifications

ltem	Symbol	Conditions	Ratings			Unit
	Symbol		MIN	ТҮР	MAX	Onit
Forward voltage	V _F	IF=3A, Pulse measurement			1.05	V
Reverse current	I _R	VR=600V, Pulse measurement			10	μA
Total capacitance	Ct	f=1MHz, VR=10V		23		pF
Thermal resistance	Rth(j-l)	Junction to lead			16	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			55	°C/W

*:See the original Specifications

CHARACTERISTIC DIAGRAMS

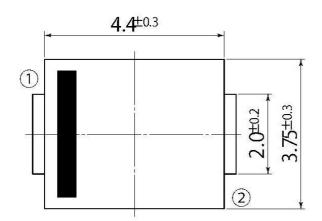


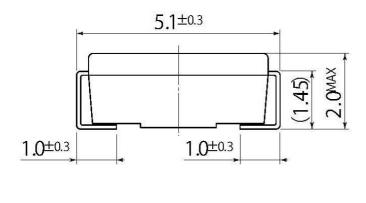


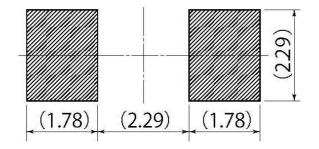
unit:mm

scale: 10/1

B6	JEDEC Code	DO-214AA similar		
	JEITA Code			
	House Name	M2F		

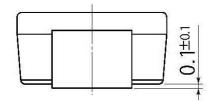






Referential Soldering Pad

Optimize soldering pad to the board design and soldering condition.



Notes

- 1. If you wish to use any such product, please be sure to refer to the specifications issued by Shindengen.
- 2. All products described or contained herein are designed with a quality level intended for use in standard applications requiring an ordinary level of reliability. If these products are to be used in equipment or devices for special or specific applications requiring an extremely high grade of quality or reliability in which failures or malfunctions of products may directly affect human life or health, a local Shindengen office must be contacted in advance to confirm that the intended use of the product is appropriate. Shindengen products are grouped into the following three applications according the quality grade.

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[Special applications]

Transportation equipment (vehicles, ships, etc.), trunk-line communication equipment, traffic signal control systems, antidisaster/crime systems, safety equipment, medical equipment, etc.

[Specific applications]

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