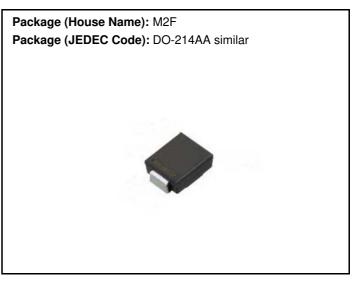
# **M2FH3**

Schottky Barrier Diodes 30V, 6A

# Feature

- Small SMD
- High Recovery Speed
- Low  $V_F$
- Pb free terminal
- RoHS:Yes

#### OUTLINE



# **Equivalent circuit**

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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 125	°C
Junction temperature	Tj		-55 to 125	°C
Repetitive peak reverse voltage	V <sub>RRM</sub>		30	V
Average forward current	I <sub>F</sub> (AV)	50Hz sine wave, Resistance load, Tc=70°C *	6	А
Surge forward current	I <sub>FSM</sub>	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	110	А

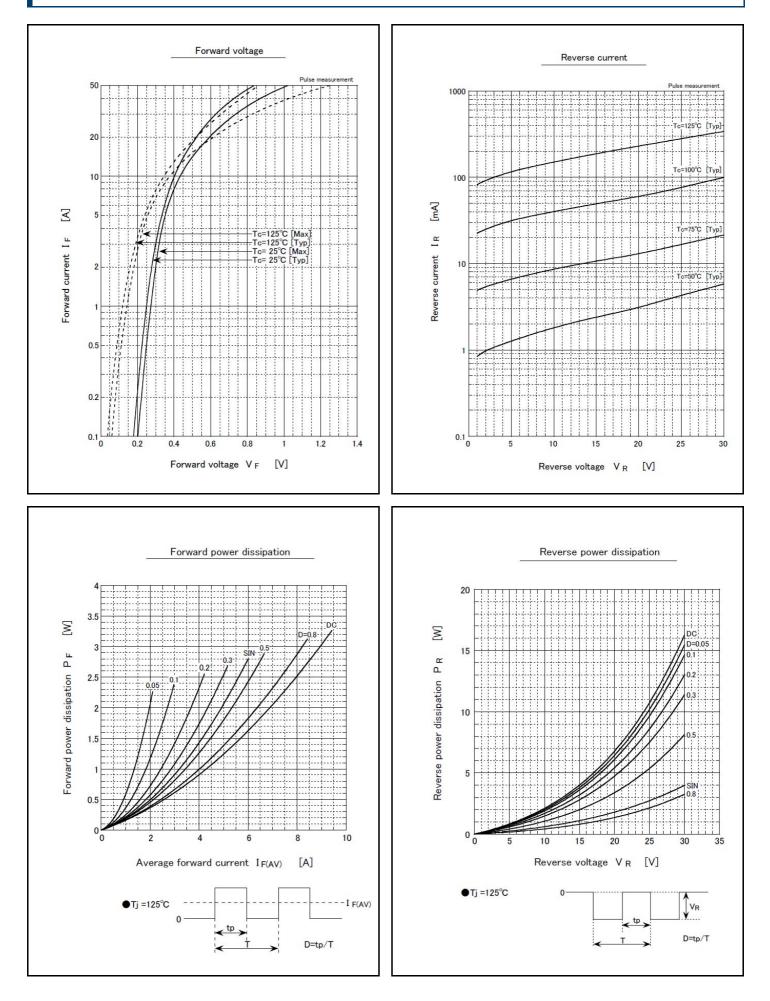
\* : See the original Specifications

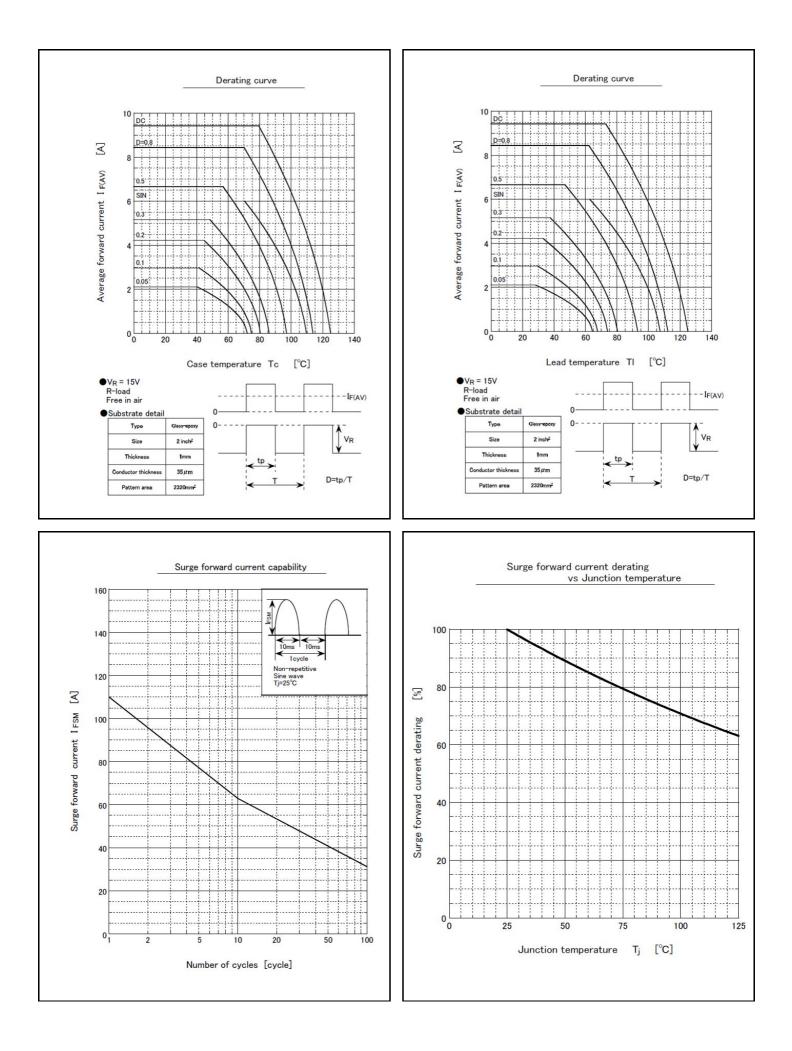
Electrical Characteristics	(unless otherwise specified : Tc=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	ТҮР	MAX	onit
Forward voltage	V <sub>F</sub>	IF=6.0A, Pulse measurement			0.36	V
Forward voltage	V <sub>F</sub>	IF=2.0A, Pulse measurement			0.3	V
Reverse current	I <sub>R</sub>	VR=30V, Pulse measurement			4	mA
Total capacitance	Ct	f=1MHz, VR=10V		240		pF
Thermal resistance	Rth(j-c)	Junction to case, On glass-epoxy substrate *			14	°C/W
Thermal resistance	Rth(j-l)	Junction to lead, On glass-epoxy substrate *			16	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate *			55	°C/W

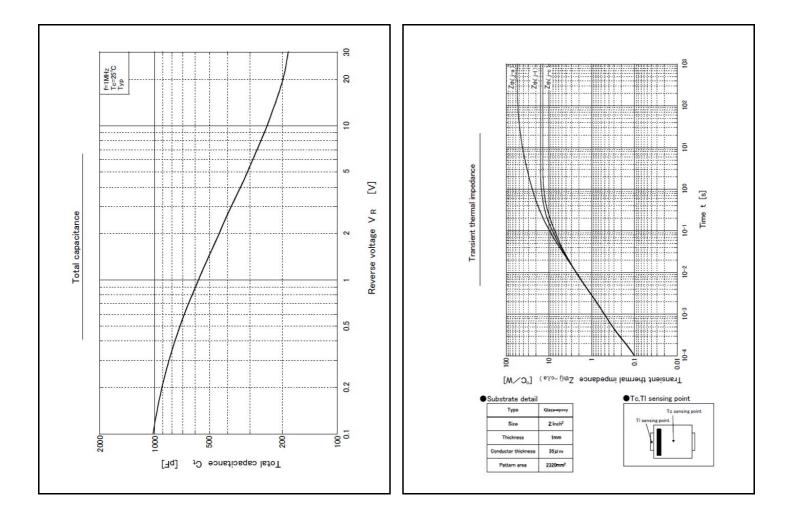
\* :See the original Specifications

## **CHARACTERISTIC DIAGRAMS**





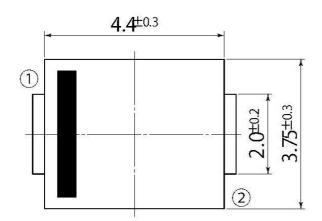
4/7

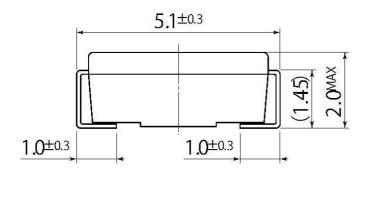


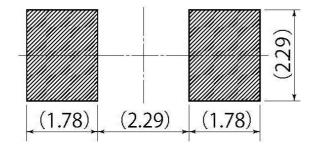
## unit:mm

scale: 10/1

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

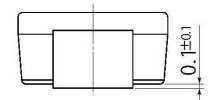






**Referential Soldering Pad** 

Optimize soldering pad to the board design and soldering condition.



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