

D1F60A

General Rectifying Diodes 600V, 1.2A

Feature

- Small SMD
- High I_{FSM}
- · Available for automotive use
- · Pb free terminal
- RoHS:Yes

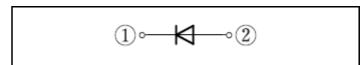
OUTLINE

Package (House Name): 1F

Package (JEDEC Code): DO-214AC



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-55 to 150	°C
Junction temperature	Tj		150	°C
Repetitive peak reverse voltage	V_{RRM}		600	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On alumina substrate, Ta=25°C	1.2	А
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, On glass-epoxy substrate, Ta=25°C	0.88	А
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive 1 cycle peak value, Tj=25°C	45	А
Current squared time	l ² t	1ms≦tp<10ms	8	A ² s

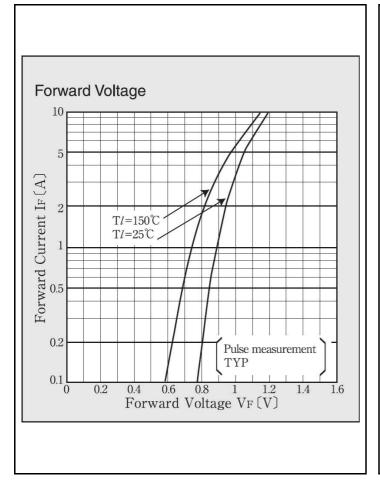
^{* :} See the original Specifications

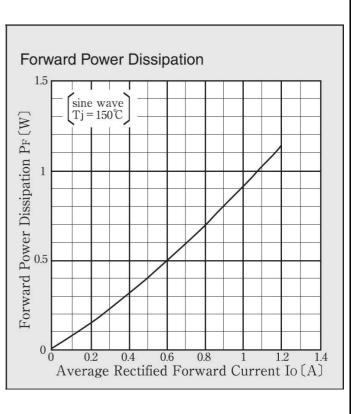
Electrical Characteristics (unless otherwise specified : TI=25°C)

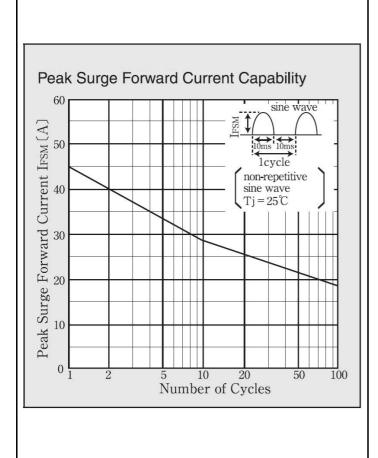
Item	Symbol	Conditions	Ratings			Unit
		Conditions		TYP	MAX	Omt
Forward voltage	V _F	IF=1.2A, Pulse measurement			0.97	V
Reverse current	I _R	VR=600V, Pulse measurement			10	μΑ
Thermal resistance	Rth(j-l)	Junction to lead			23	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On alumina substrate			108	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On glass-epoxy substrate			157	°C/W

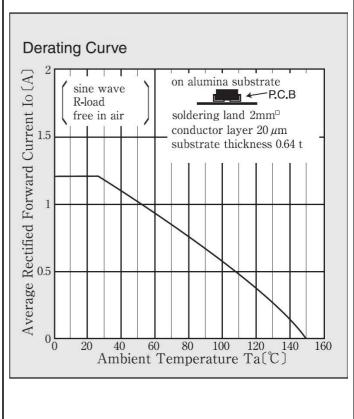
^{*} :See the original Specifications

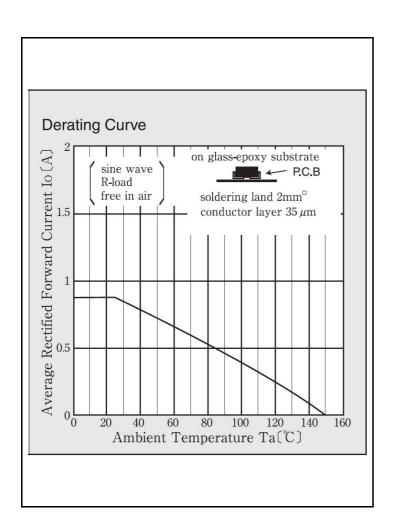
CHARACTERISTIC DIAGRAMS







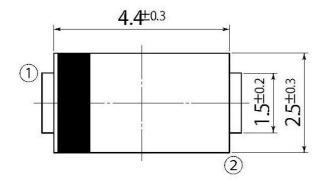


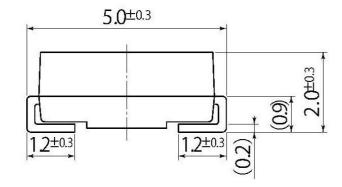


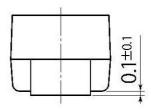
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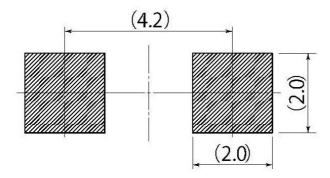
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JEDEC Code	DO-214AC
JEITA Code	-
House Name	1F









Referential Soldering Pad

[•] Optimize soldering pad to the board design and soldering condition.

Notes

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(Special applications)

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