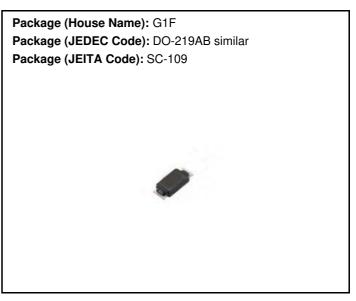
DG1M3A

Schottky Barrier Diodes 30V, 1.5A

Feature

- Ultra-small SMD
- Ultra thin PKG
- Low V_{F}
- $\bullet \text{ Low } I_{\mathsf{R}}$
- · Based on AEC-Q101
- Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit

Absolute Maximum Ratings (unless otherwise specified : TI=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}		30	V
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Ta=37°C *	1.5	Α
Average forward current	I _F (AV)	50Hz sine wave, Resistance load, Ta=32°C *	1	Α
Surge forward current	I _{FSM}	50Hz sine wave, Non-repetitive, 1cycle, Peak value, Tj=25°C	30	А

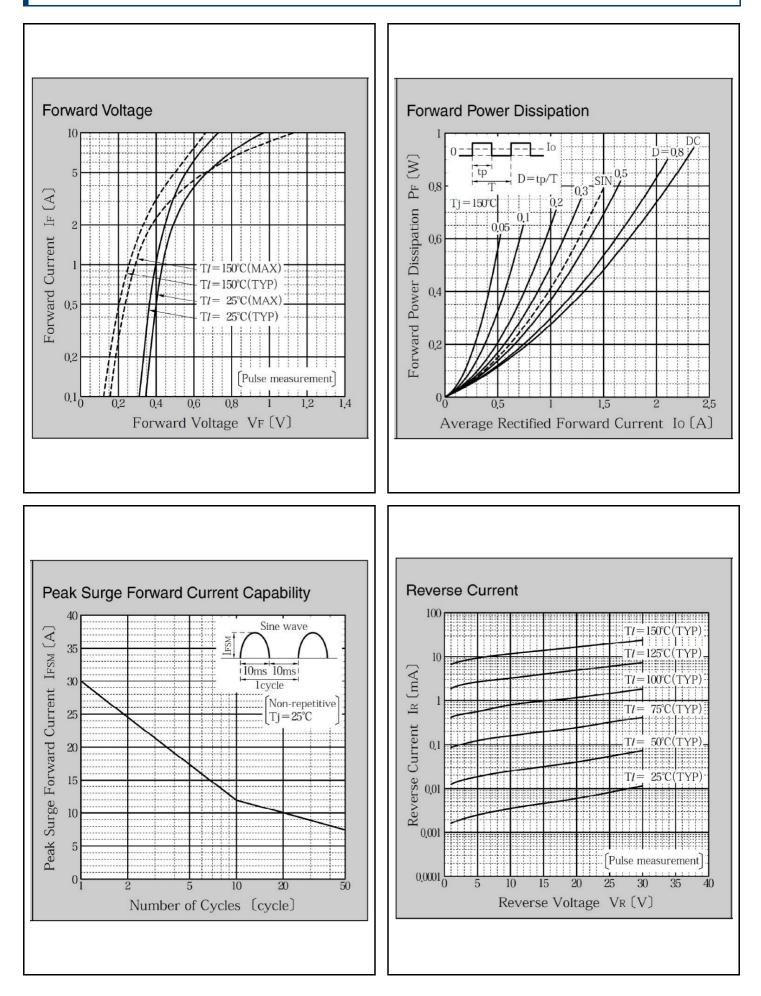
* : See the original Specifications

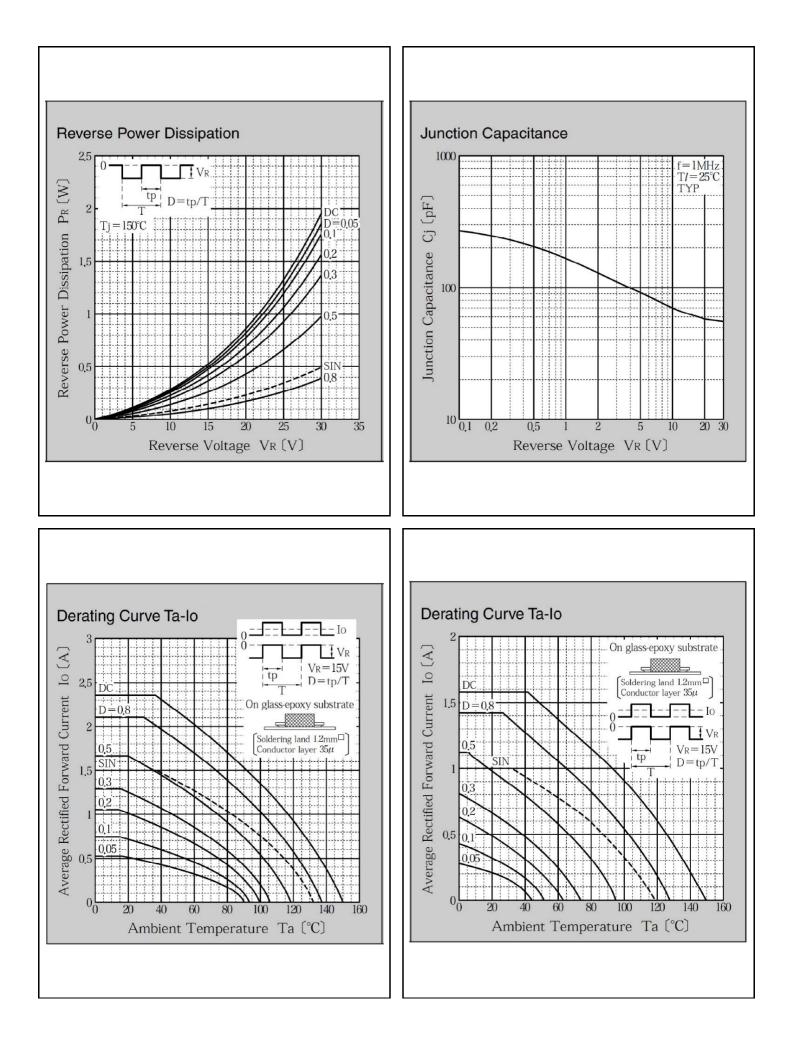
Electrical Characteristics (unle	ess otherwise specified : TI=25°C)
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Item	Symbol	Conditions	Ratings			Unit
	Symbol	Conditions		ТҮР	MAX	Onit
Forward voltage	V _F	IF=1.5A, Pulse measurement			0.46	V
Forward voltage	V _F	IF=0.5A, Pulse measurement			0.4	V
Reverse current	I _R	VR=30V, Pulse measurement			0.05	mA
Total capacitance	Ct	f=1MHz, VR=10V		70		pF
Thermal resistance	Rth(j-l)	Junction to lead, On alumina substrate *			20	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On alumina substrate *			70	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On paper phenol substrate *			120	°C/W
Thermal resistance	Rth(j-a)	Junction to ambient, On paper phenol substrate *			210	°C/W

*:See the original Specifications

CHARACTERISTIC DIAGRAMS

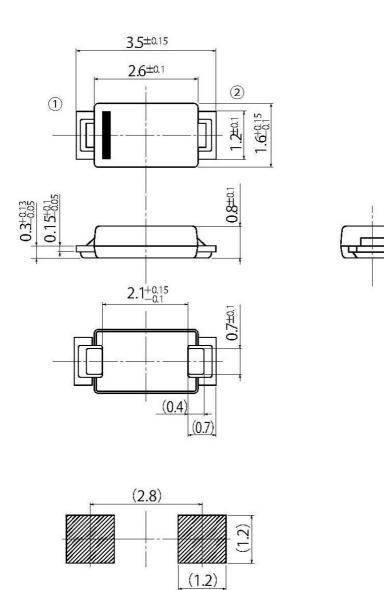




unit:mm

scale: 10/1

B1	JEDEC Code	DO-219AB similar		
JEITA Code		SC-109		
House Name		G1F		



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.
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[Specific applications]

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