

G1VL24C

SIDACs / Uni-directional (G1V Series) 190V, 280A

Feature

- Uni-directional
- Miniaturized compared to a K1V series
- For pulse generation, DC power with switching operation
- A reliable product with a track record, developed for many applications
- · Pb free terminal
- RoHS:Yes

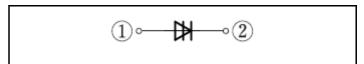
OUTLINE

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		-40 to 150	°C
Junction temperature	Tj		150	°C
Maximum off-state voltage	$V_{DRM(A)}$		190	V
RMS on-state current	I _T	TI=98°C, 50Hz sine wave, θ=180°	1	Α
Pulse on-state current	I _{TRM}	Ta=25°C, pulse width 10μs, 5Hz sine wave	280	Α
Critical rate of rise of on-state current	di _T /dt		150	A/μs

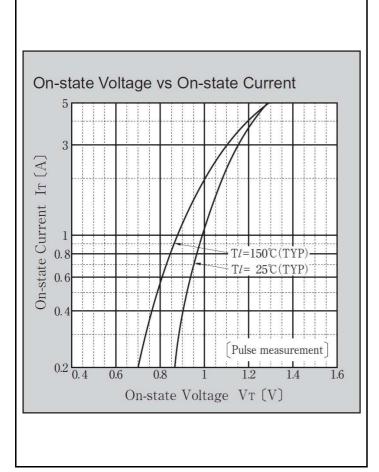
^{* :}See the original Specifications

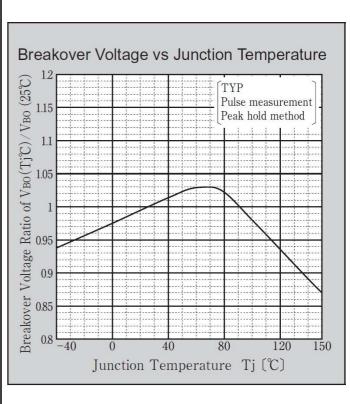
Electrical Characteristics (unless otherwise specified : TI=25°C)

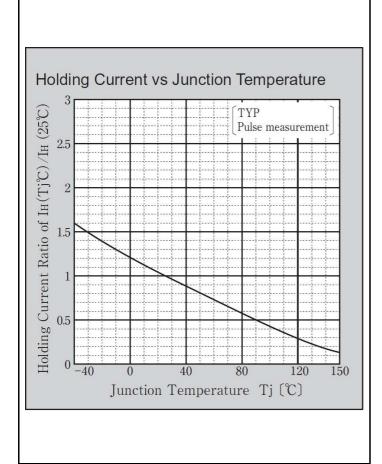
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Ollit
Breakover voltage	V _{BO(A)}	Pulse measurement, dv/dt=4V/ms	230		250	V
Off-state current	I _{DRM(A)}	VD=190V			10	μΑ
Breakover current	I _{BO(A)}	VBO-0.5V			0.5	mA
Holding current	I _{H(A)}				60	mA
Holding current	I _{H(K)}				60	mA
On-state voltage	$V_{T(A)}$	IT=1A			1.5	V
On-state voltage	$V_{T(K)}$	IT=1A			1.5	V
Switching resistance	R _{S(A)}		0.1			kΩ
Thermal resistance	Rth(j-l)	Junction to lead			23	°C/W

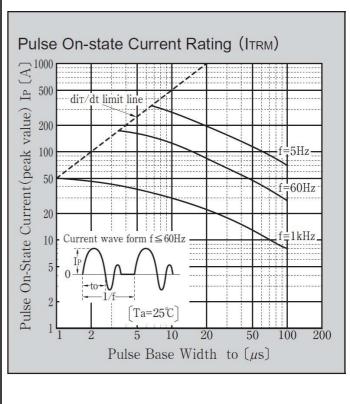
^{* :}See the original Specifications

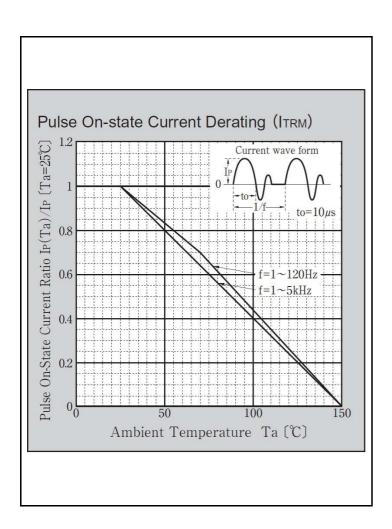
CHARACTERISTIC DIAGRAMS







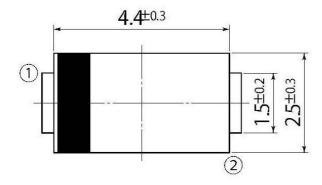


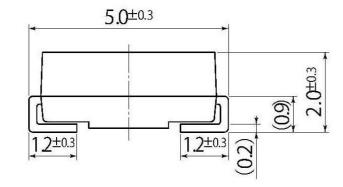


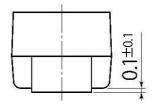
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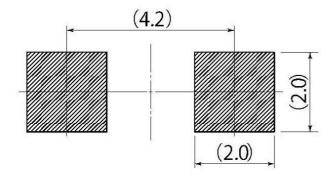
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JEDEC Code	DO-214AC		
JEITA Code	1—1		
House Name	1F, CF		









Referential Soldering Pad

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

Notes

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[Special applications]

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(Specific applications)

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