

G1V(A)20C

SIDACs / Uni-directional (G1V Series) 170V, 80A

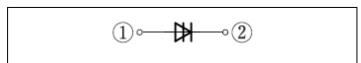
Feature

- 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



Equivalent circuit



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

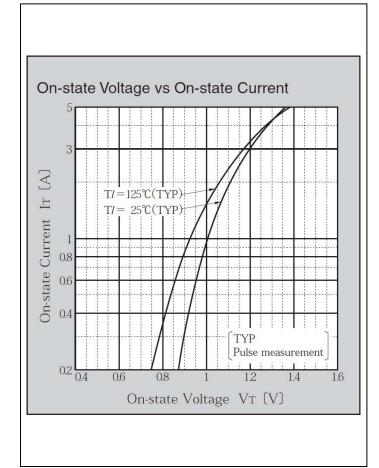
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 125	°C
Junction temperature	Tj		125	°C
Maximum off-state voltage	V _{DRM(A)}		170	V
RMS on-state current	I _T	Tl=98°C, 50Hz sine wave, θ=180°	1	Α
Pulse on-state current	I _{TRM}	Ta=25°C, pulse width 10μs, 60Hz sine wave	80	Α
Critical rate of rise of on-state current	di _T /dt		80	A/μs

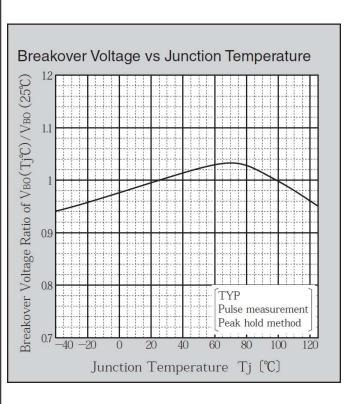
※ ∶See the original Specifications

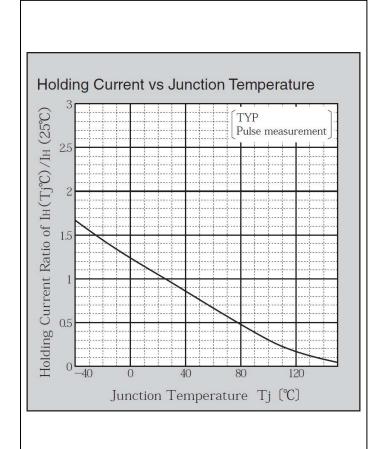
Electrical Characteristics (unless otherwise specified: Tl=25°C)

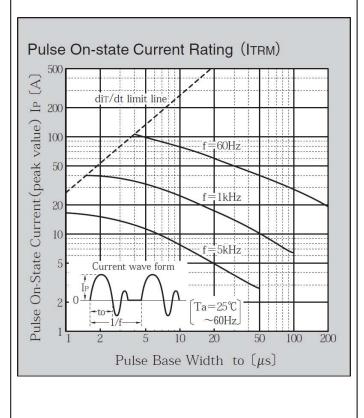
Item	Symbol	Conditions	Ratings			11
			MIN	TYP	MAX	Unit
Breakover voltage	V _{BO(A)}	Pulse measurement, dv/dt=4V/ms	190		210	V
Off-state current	I _{DRM(A)}	VD=170V			10	μΑ
Breakover current	I _{BO(A)}				0.5	mA
Holding current	I _{H(A)}				60	mA
Holding current	I _{H(K)}				60	mA
On-state voltage	V _{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			20	°C/W

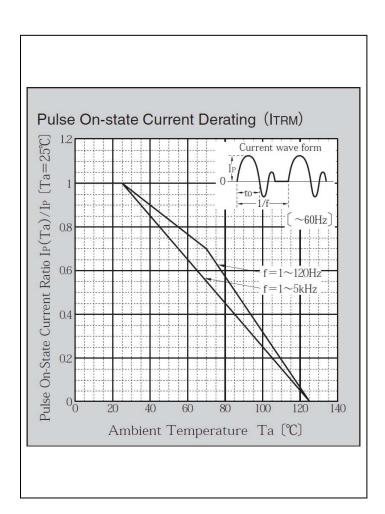
CHARACTERISTIC DIAGRAMS









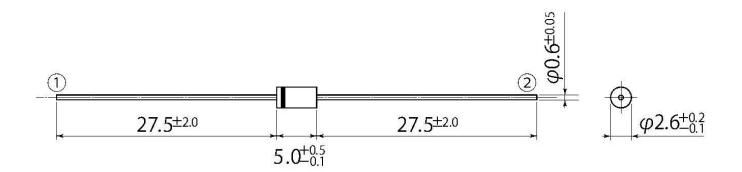


unit:mm

scale: 2/1

A2

JEDEC Code	_
JEITA Code	_
House Name	AX06



Notes

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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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