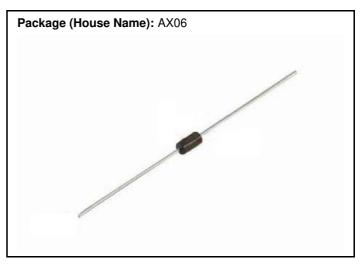
G1V(A)20C SIDACs / Uni-directional (G1V Series) 170V, 80A

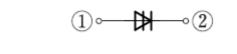
Feature

- 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 : TI=25°C)

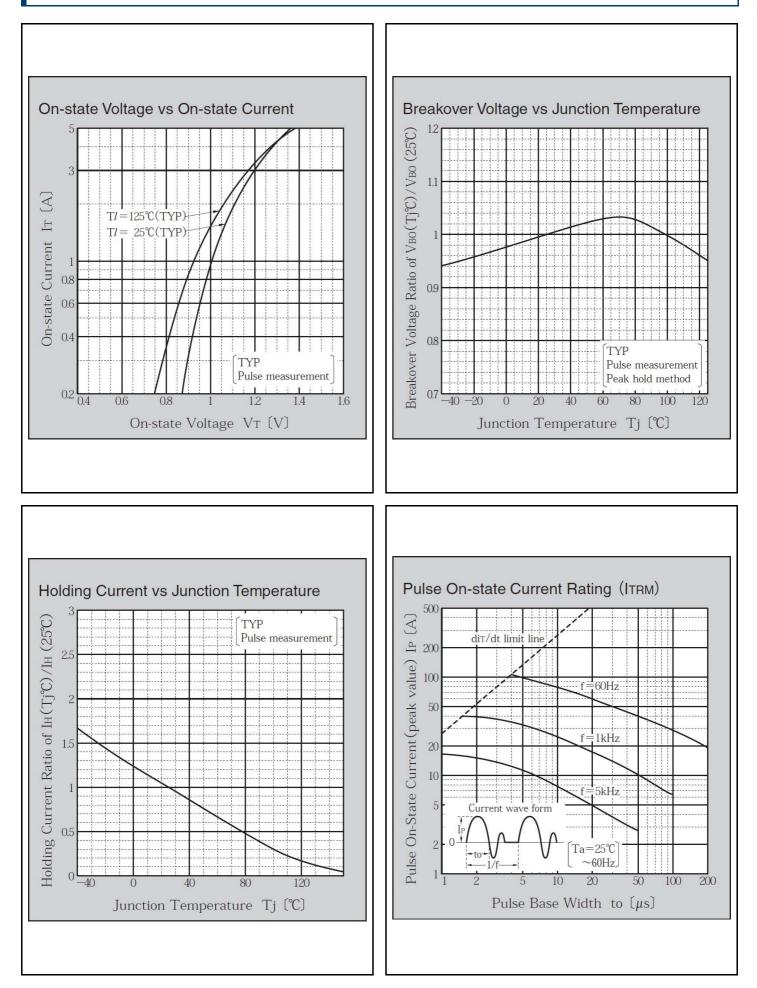
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 125	°C
Junction temperature	Tj		125	°C
Maximum off-state voltage	V _{DRM(A)}		170	V
RMS on-state current	Ι _Τ	TI=98°C, 50Hz sine wave, θ=180°	1	Α
Pulse on-state current	I _{TRM}	Ta=25°C, pulse width 10µs, 60Hz sine wave	80	Α
Critical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

* : See the original Specifications

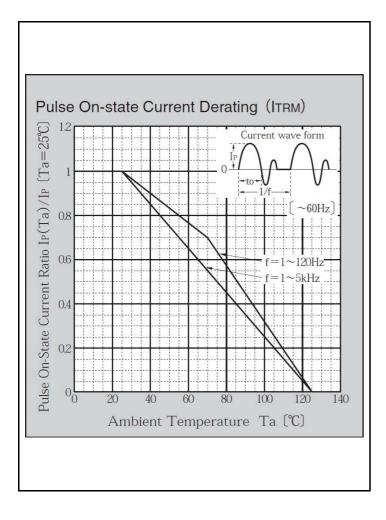
Electrical Characteristics (unless otherwise specified : TI=25°C)								
Item	Symbol	Conditions		Ratings				
	Symbol		MIN	ТҮР	MAX	Unit		
Breakover voltage	V _{BO(A)}	Pulse measurement, dv/dt=4V/ms	190		210	V		
Off-state current	I _{DRM(A)}	VD=170V			10	μA		
Breakover current	I _{BO(A)}				0.5	mA		
Holding 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		

* : See the original Specifications

CHARACTERISTIC DIAGRAMS



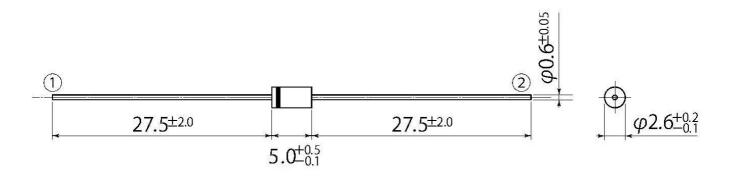
3/6



unit:mm

scale: 2/1

A2	JEDEC Code	—		
	JEITA Code	—		
	House Name	AX06		



Notes

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Computers, office automation and other office equipment, communication terminals, test and measurement equipment, audio/visual equipment, amusement equipment, consumer electronics, machine tools, personal electronic equipment, industrial equipment, etc.

[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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