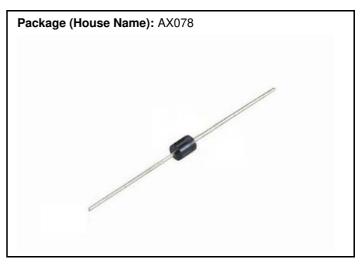
# G1V(B)24C SIDACs / Uni-directional (G1V Series) 210V, 280A

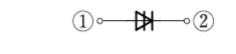
## Feature

- 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



# **Equivalent circuit**



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

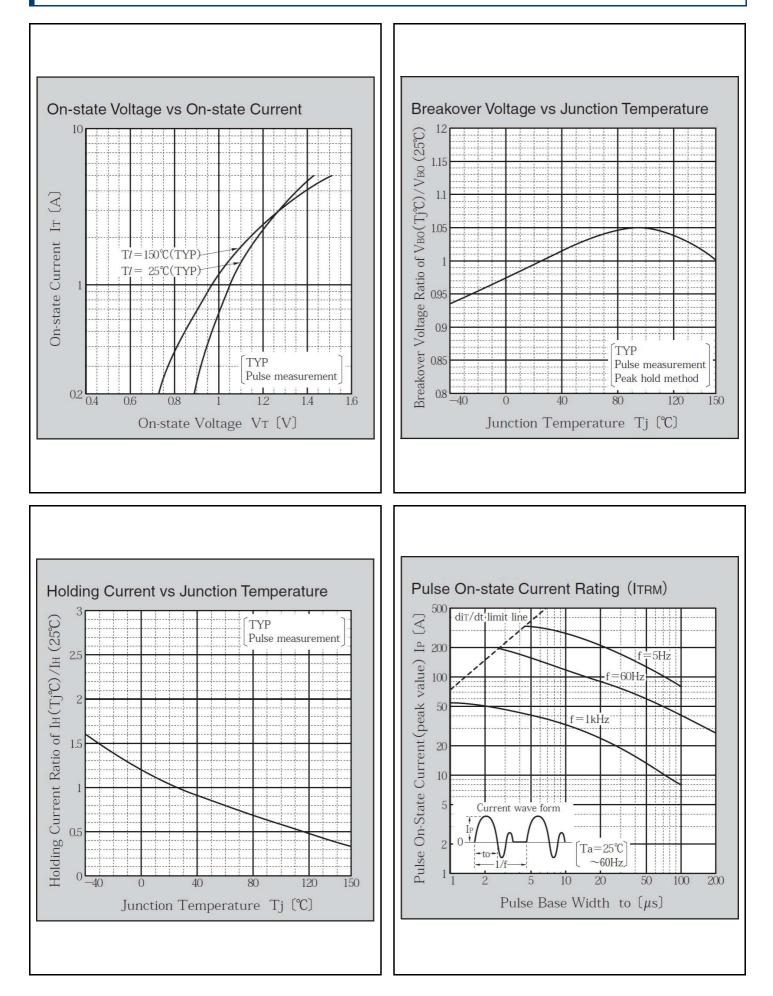
Item	Symbol	Conditions	Ratings	Unit
Storage temperrature	Tstg		-40 to 150	°C
Junction temperature	Tj		150	°C
Maximum off-state voltage	V <sub>DRM(A)</sub>		210	V
RMS on-state current	Ι <sub>Τ</sub>	TI=102°C, 50Hz sine wave, θ=180°	1	А
Pulse on-state current	I <sub>TRM</sub>	Ta=25°C, pulse width 10µs, 5Hz sine wave	280	А
Pulse on-state current	I <sub>TRM</sub>	Ta=25°C, pulse width 10µs, 60Hz sine wave	120	А
Critical rate of rise of on-state current	di <sub>T</sub> /dt		220	A/µs

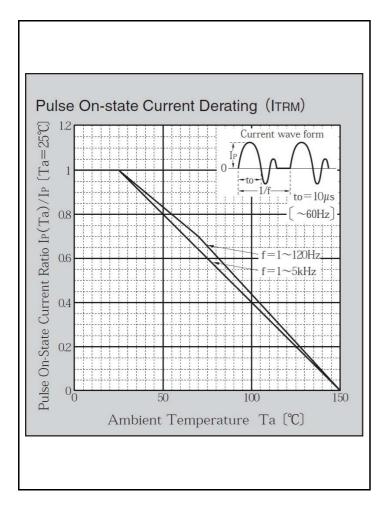
\* : See the original Specifications

Electrical Characteristics (unless otherwise specified : TI=25°C)								
Item	Symbol	Conditions		Ratings				
	Symbol		MIN	ТҮР	MAX	Unit		
Breakover voltage	V <sub>BO(A)</sub>	Pulse measurement, dv/dt=4V/ms	230		250	V		
Off-state current	I <sub>DRM(A)</sub>	VD=210V, TI=25°C			1	μA		
Off-state current	I <sub>DRM(A)</sub>	VD=210V, TI=125°C			10	μA		
Breakover current	I <sub>BO(A)</sub>				0.5	mA		
Holding current	I <sub>H(A)</sub>				60	mA		
Holding current	I <sub>H(K)</sub>				60	mA		
On-state voltage	V <sub>T(A)</sub>	IT=1A			1.5	V		
On-state voltage	V <sub>T(K)</sub>	IT=1A			1.5	V		
Switching resistance	R <sub>S(A)</sub>		0.1			kΩ		
Thermal resistance	Rth(j-l)	Junction to lead			17	°C/W		

\* : See the original Specifications

# **CHARACTERISTIC DIAGRAMS**

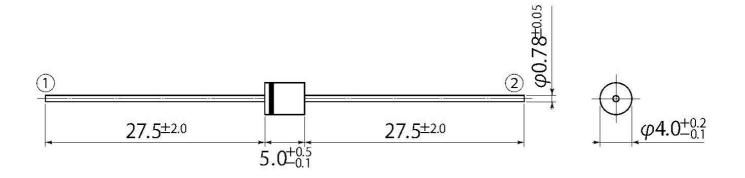




unit:mm

scale: 2/1

A4	JEDEC Code	_		
	JEITA Code			
	House Name	AX078		



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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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