

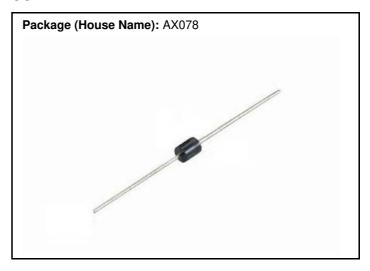
ST02D-82

Power Clampers 200W, 67V

Feature

- TVS with FRD
- Axial Package
- Application for snubber circuit
- · Pb free terminal
- RoHS:Yes

OUTLINE



Equivalent circuit



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

Item	Symbol	Conditions	Ratings	Unit
Storage temperature	Tstg		-40 to 150	°C
Operating junction temperature	Tj		150	°C
Maximum surge reverse power(ZD)	P _{RSM} (ZD)	10/1000μs, Non-repetitive	200	W
Maximum surge reverse current(ZD)	I _{RSM} (ZD)	10/1000μs, Non-repetitive	1.7	Α
Continuous (direct) reverse voltage(ZD)	V _{RM(DC)} (ZD)		67	٧
Repetitive peak reverse voltage(Di)	V _{RRM} (Di)		600	٧

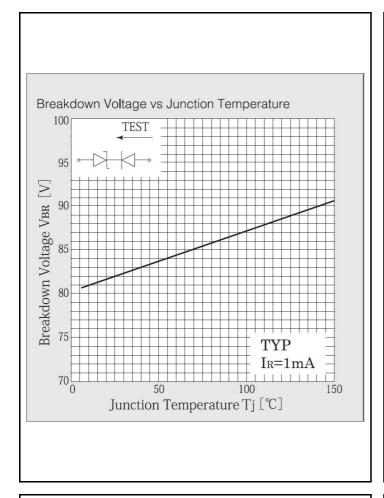
^{* :}See the original Specifications

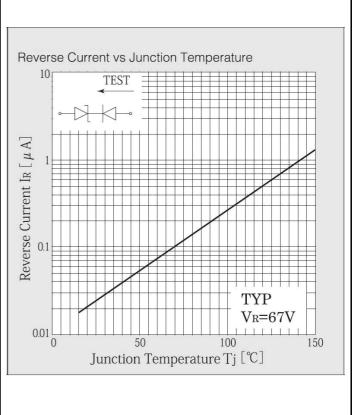
Electrical Characteristics (unless otherwise specified : TI=25°C)

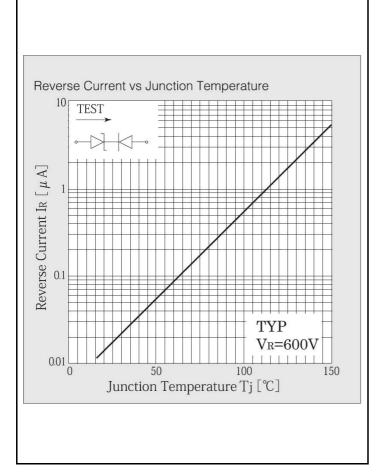
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Breakdown voltage(ZD)	V _{BR} (ZD)	IR=1mA	74	82	90	V
Clamping Voltage(ZD)	V _{CL} (ZD)	IPP=1.7A			118	V
Reverse current(ZD)	I _R (ZD)	VR=67V			5	μΑ
Reverse current(Di)	I _R (Di)	VR=600V			5	μΑ
Reverse recovery time(Di)	trr(Di)	IF/IR=0.1A/0.3A			500	ns
Thermal resistance	Rth(j-l)	Junction to lead			17	°C/W

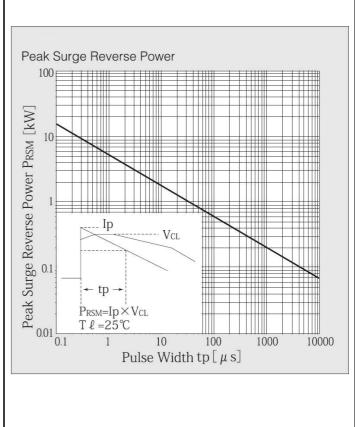
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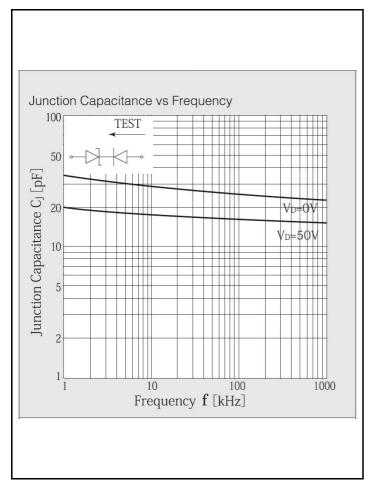
CHARACTERISTIC DIAGRAMS

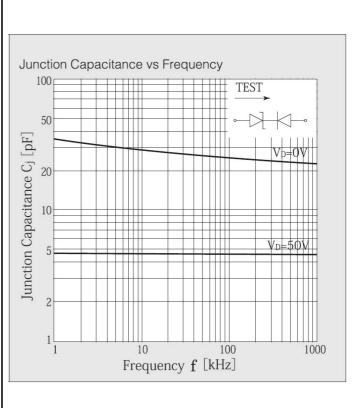


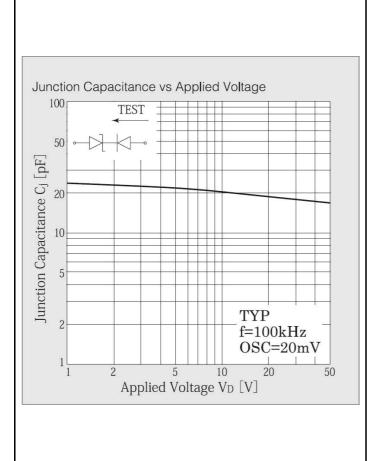


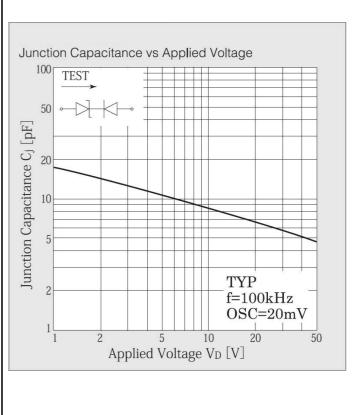










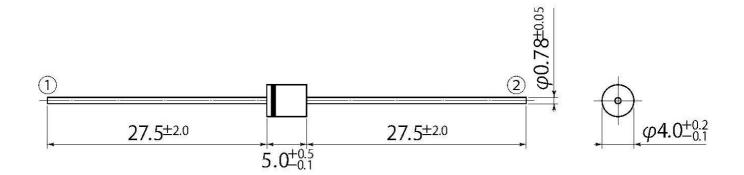


unit:mm

scale: 2/1

A4

JEDEC Code	-	
JEITA Code	-	
House Name	AX078	



Notes

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(Special applications)

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