

EN: This Datasheet is presented by the manufacturer.

Please visit our website for pricing and availability at <u>www.hestore.hu</u>.

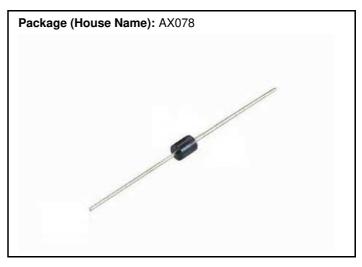
ST02D-82

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)

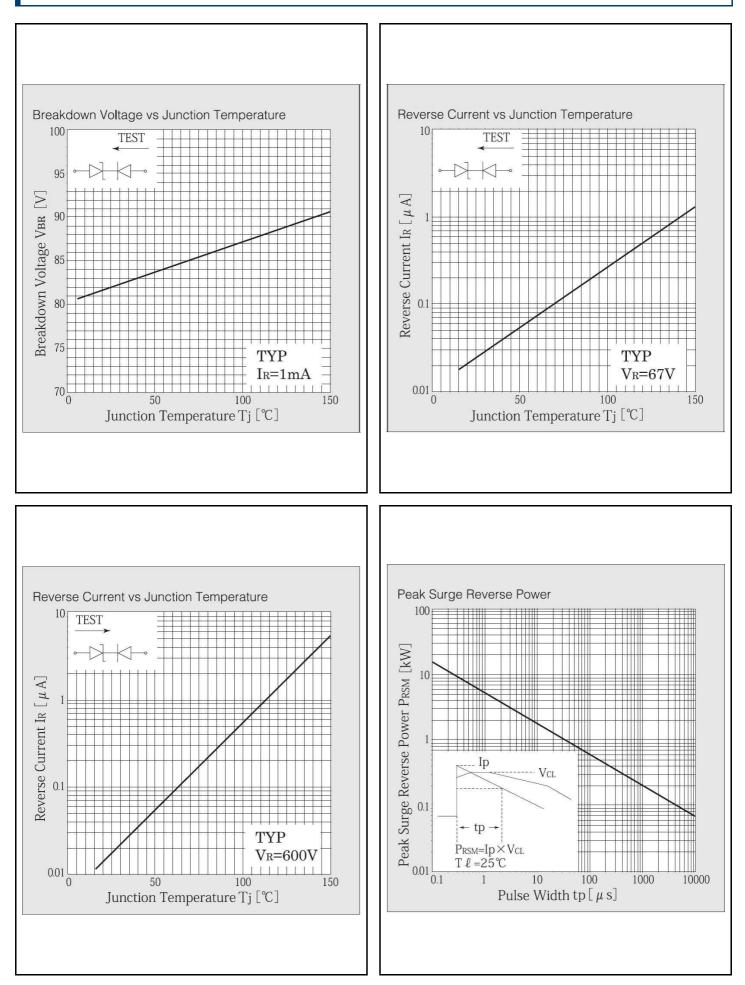
Item	Symbol	Conditions	Ratings	Unit
Storage temperature	Tstg		-40 to 150	°C
Operating junction temperature	Tj		150	°C
Maximum surge reverse power(ZD)	P _{RSM} (ZD)	10/1000µs, Non-repetitive	200	W
Maximum surge reverse current(ZD)	I _{RSM} (ZD)	10/1000μs, Non-repetitive	1.7	А
Continuous (direct) reverse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

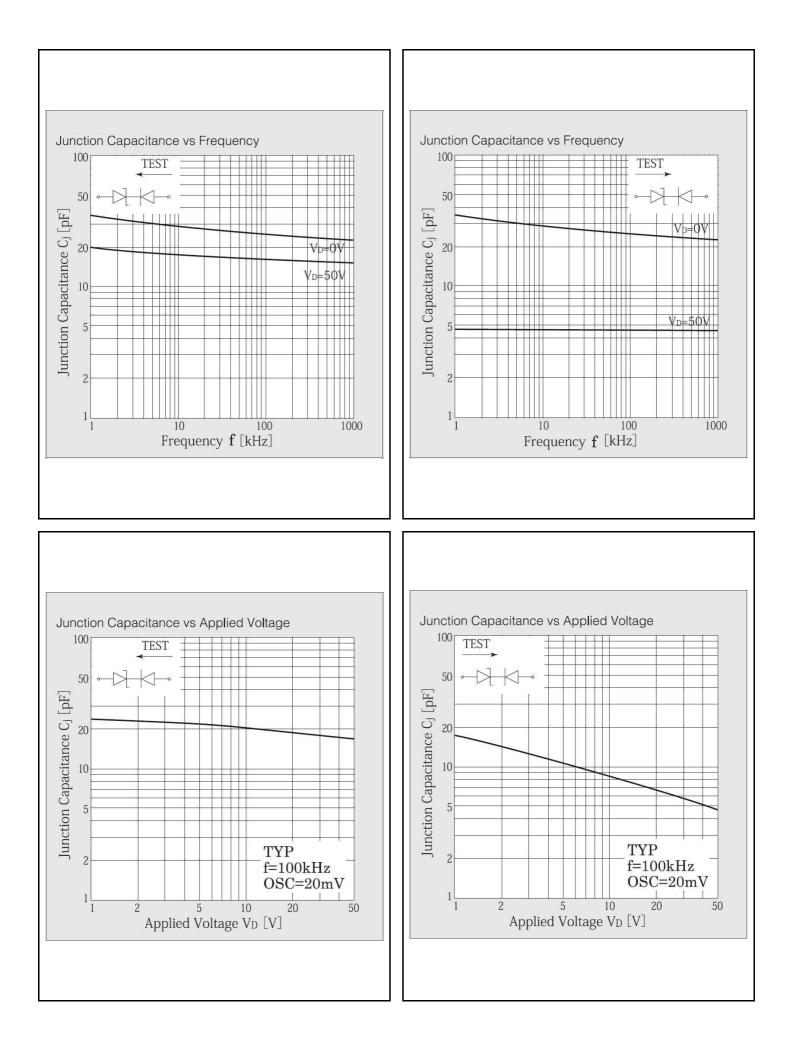
* : See the original Specifications

Electrical Characteristics (unless otherwise specified : TI=25°C)									
Item	Symbol	Conditions	Ratings			Unit			
			MIN	ТҮР	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	μA			
Reverse current(Di)	I _R (Di)	VR=600V			5	μA			
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			

* : See the original Specifications

CHARACTERISTIC DIAGRAMS

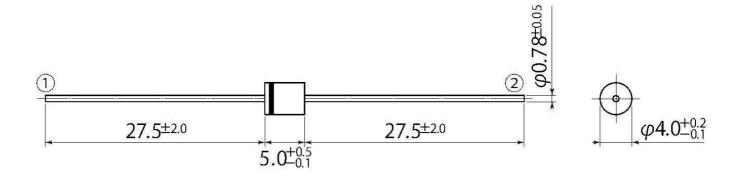




unit:mm

scale: 2/1

A4	JEDEC Code	—		
	JEITA Code	-		
	House Name	AX078		



Notes

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