

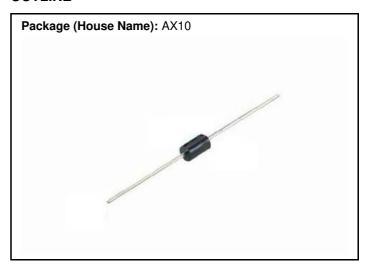
ST03D-200

Power Clampers 300W, 170V

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	300	W
Maximum surge reverse current(ZD)	I _{RSM} (ZD)	10/1000μs, Non-repetitive	1	А
Continuous (direct) reverse voltage(ZD)	$V_{RM(DC)}(ZD)$		170	V
Repetitive peak reverse voltage(Di)	V _{RRM} (Di)		600	V

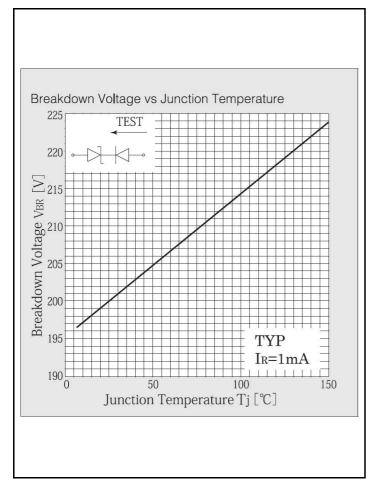
^{* :}See the original Specifications

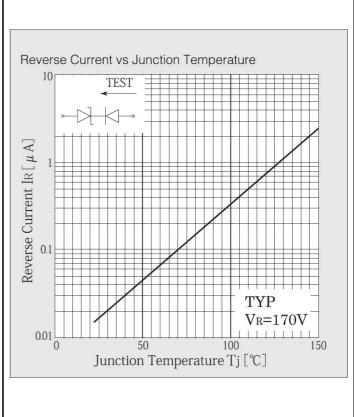
Electrical Characteristics (unless otherwise specified : TI=25°C)

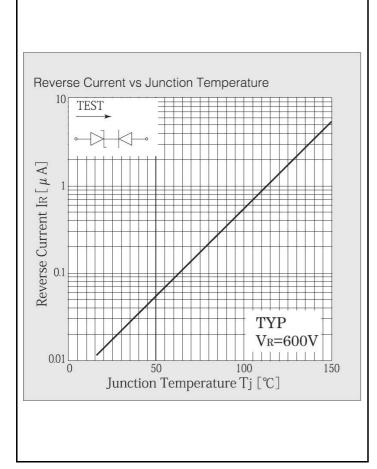
Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	Onne
Breakdown voltage(ZD)	V _{BR} (ZD)	IR=1mA	185	200	215	V
Clamping Voltage(ZD)	V _{CL} (ZD)	IPP=1.0A			300	V
Reverse current(ZD)	I _R (ZD)	VR=170V			5	μΑ
Reverse current(Di)	I _R (Di)	VR=600V			5	μΑ
Reverse recovery time(Di)	trr(Di)	IF/IR=0.1A/0.3A			500	ns
Thermal resistance	Rth(j-l)	Junction to lead			13	°C/W

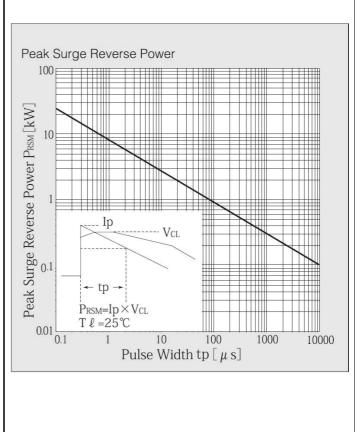
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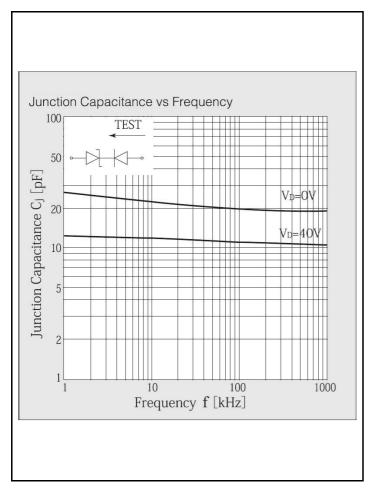
CHARACTERISTIC DIAGRAMS

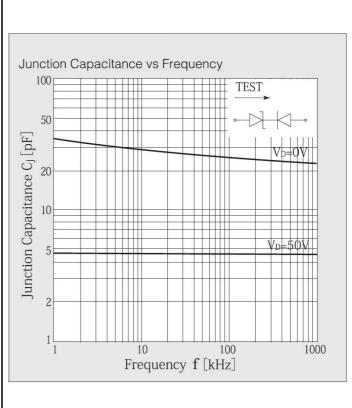


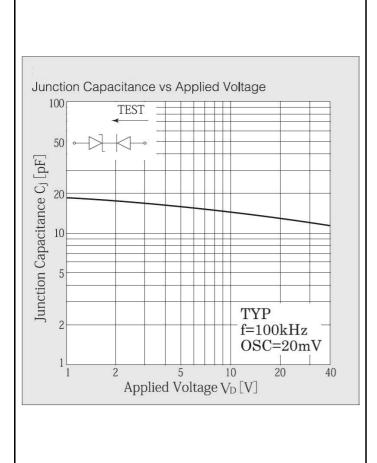


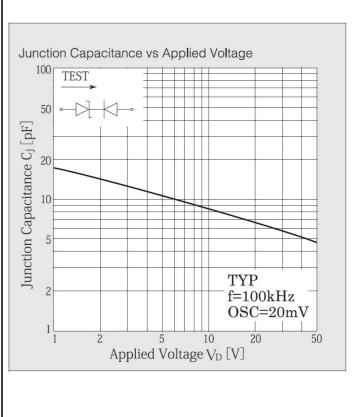










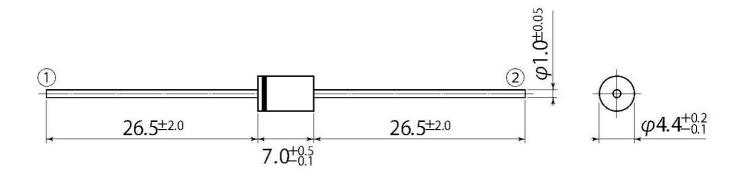


unit:mm

scale: 2/1

A5

JEDEC Code	_		
JEITA Code	_		
House Name	AX10		



Notes

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