

# ST03DH-240

Power Clampers  
300W, 200V

## Feature

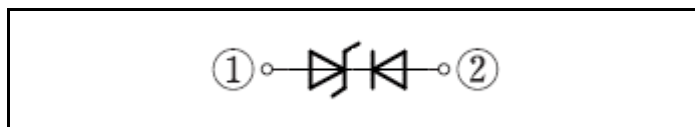
- TVS with FRD
- Application for snubber circuit
- Pb free terminal
- RoHS:Yes

## OUTLINE

Package (House Name): AX10



## Equivalent circuit



## Absolute Maximum Ratings (unless otherwise specified : Tl=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 <sub>RSM</sub> (ZD)	10/1000μs, Non-repetitive ※	300	W
Maximum surge reverse current(ZD)	I <sub>RSM</sub> (ZD)	10/1000μs, Non-repetitive ※	1	A
Continuous (direct) reverse voltage(ZD)	V <sub>RM(DC)</sub> (ZD)		200	V
Repetitive peak reverse voltage(Di)	V <sub>RRM</sub> (Di)		1000	V

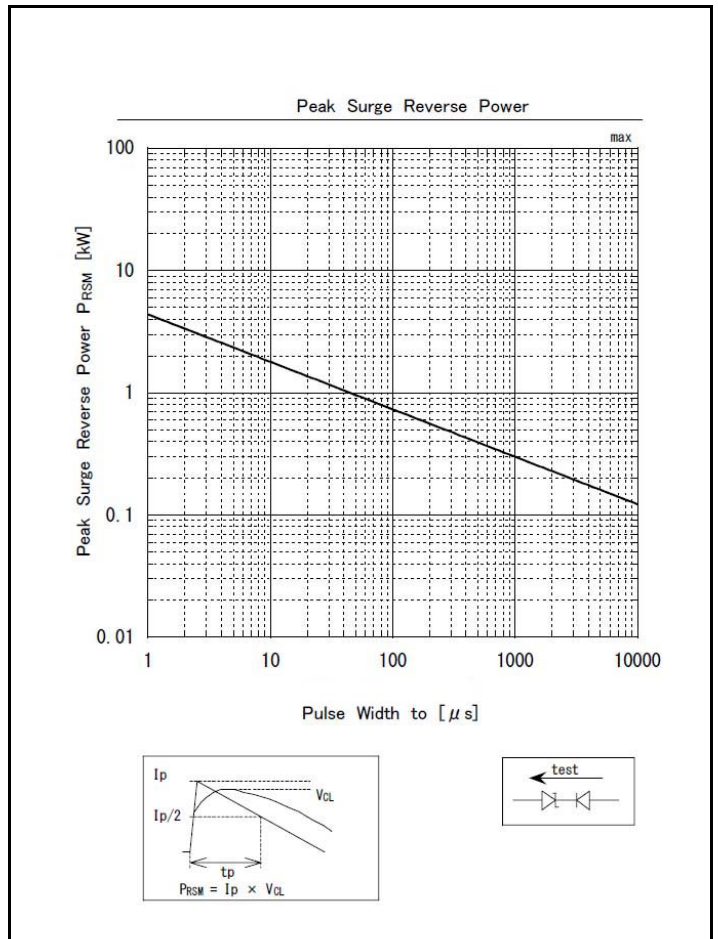
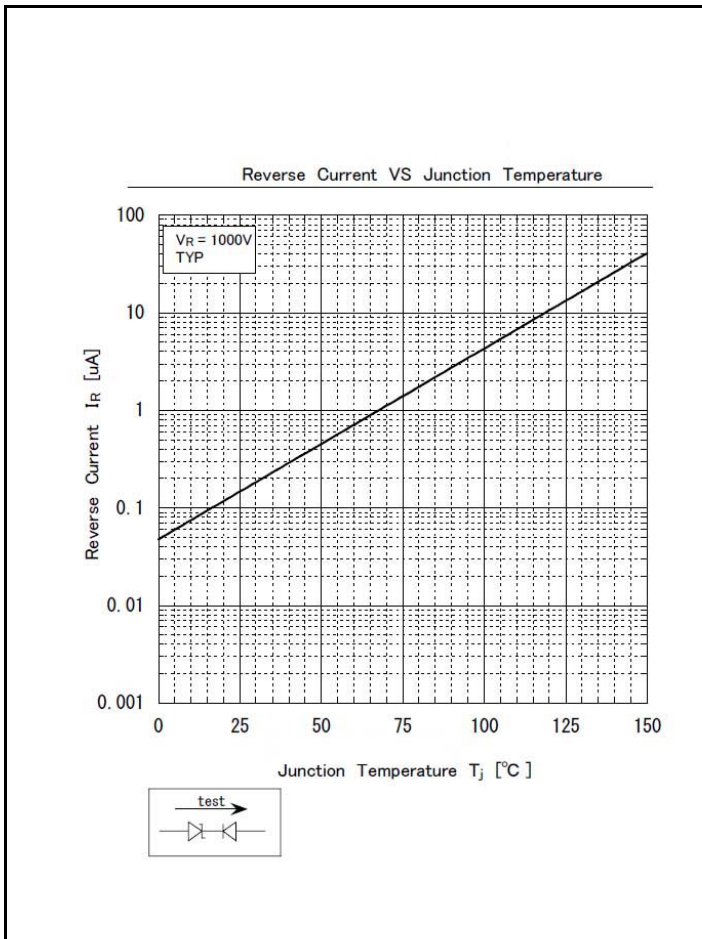
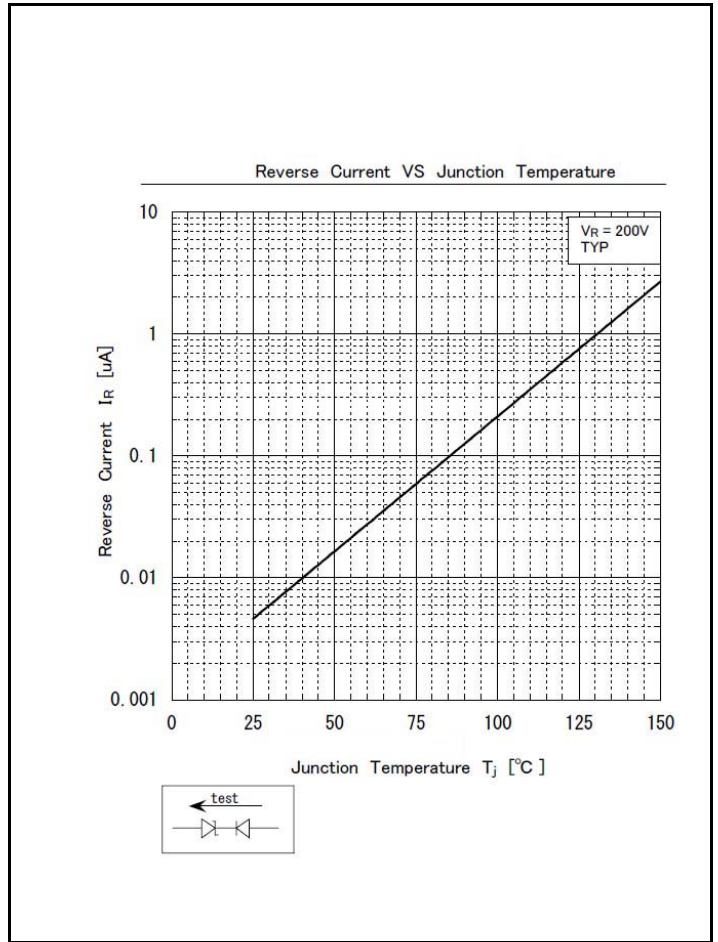
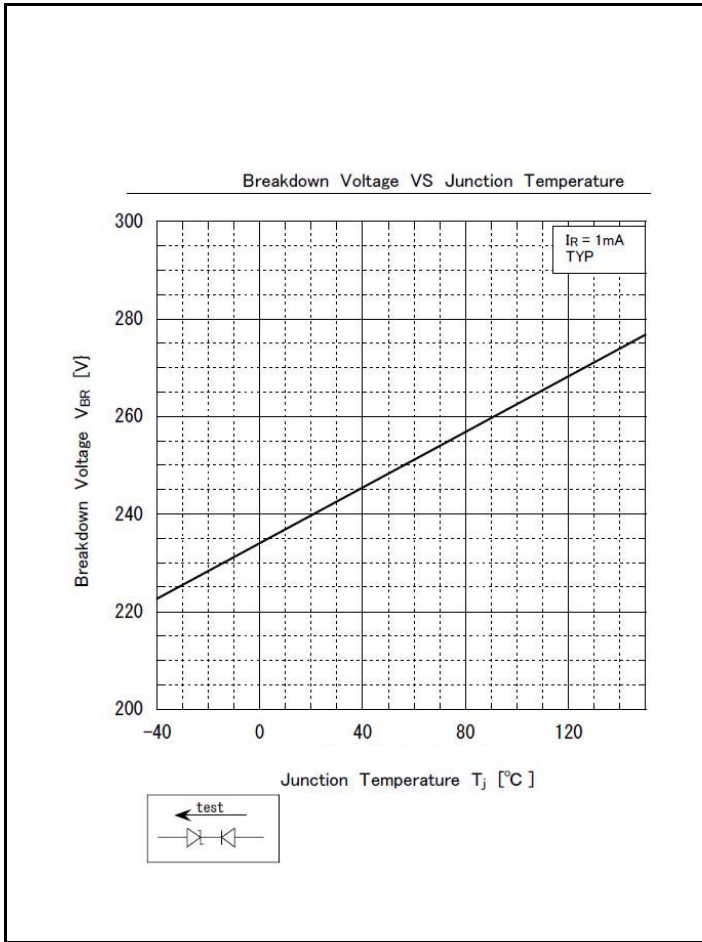
※ :See the original Specifications

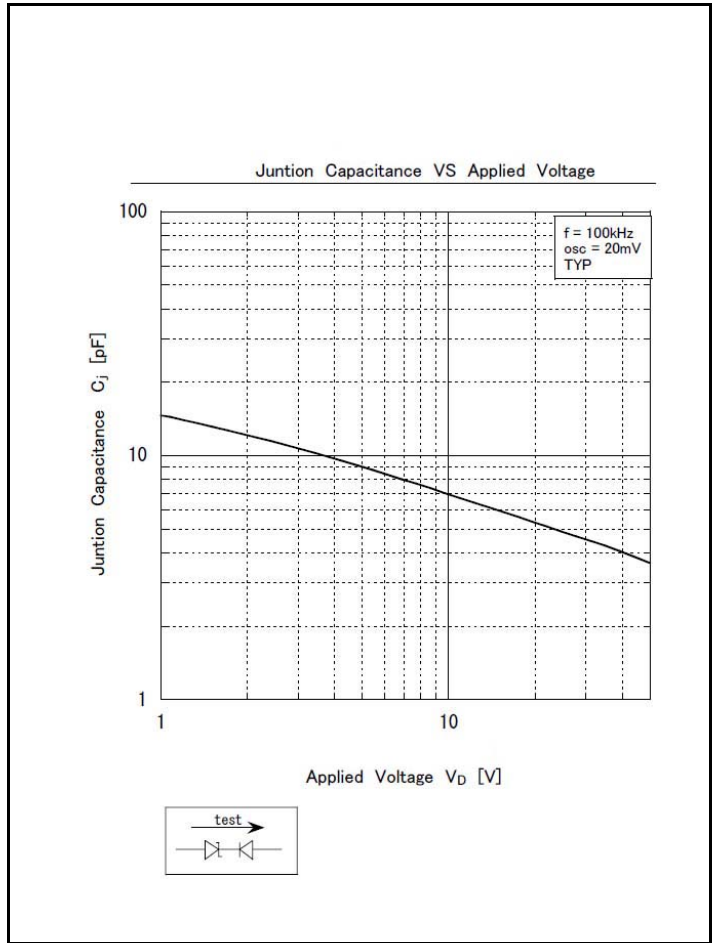
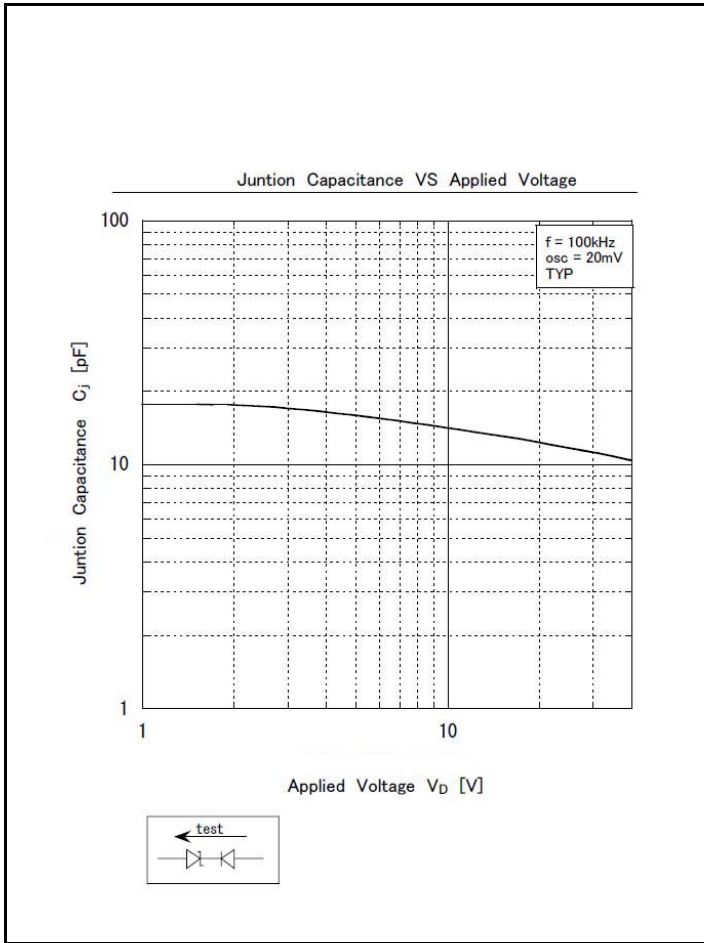
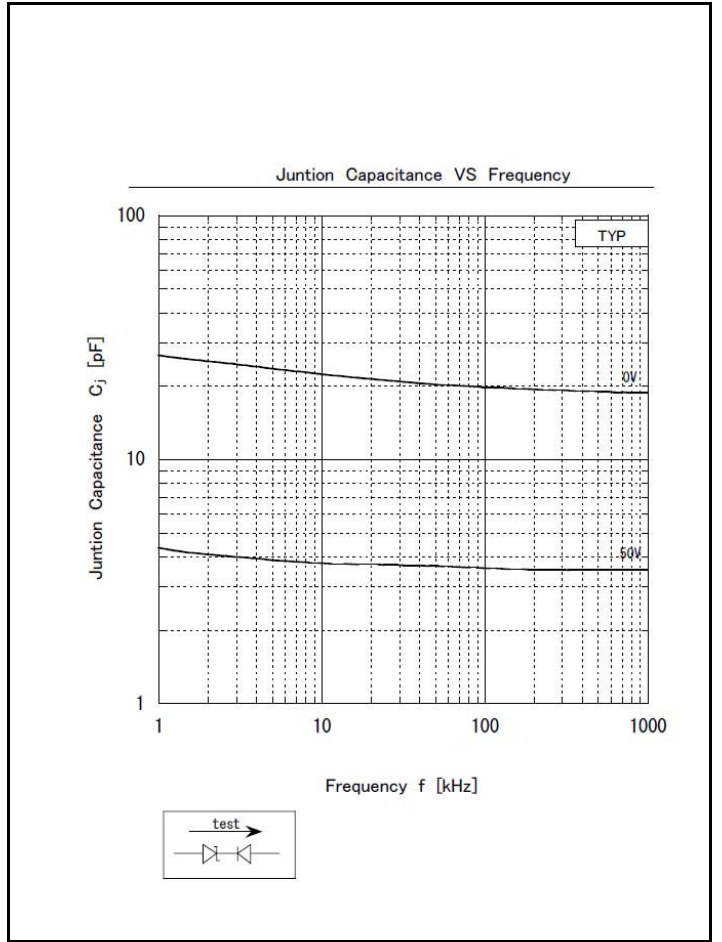
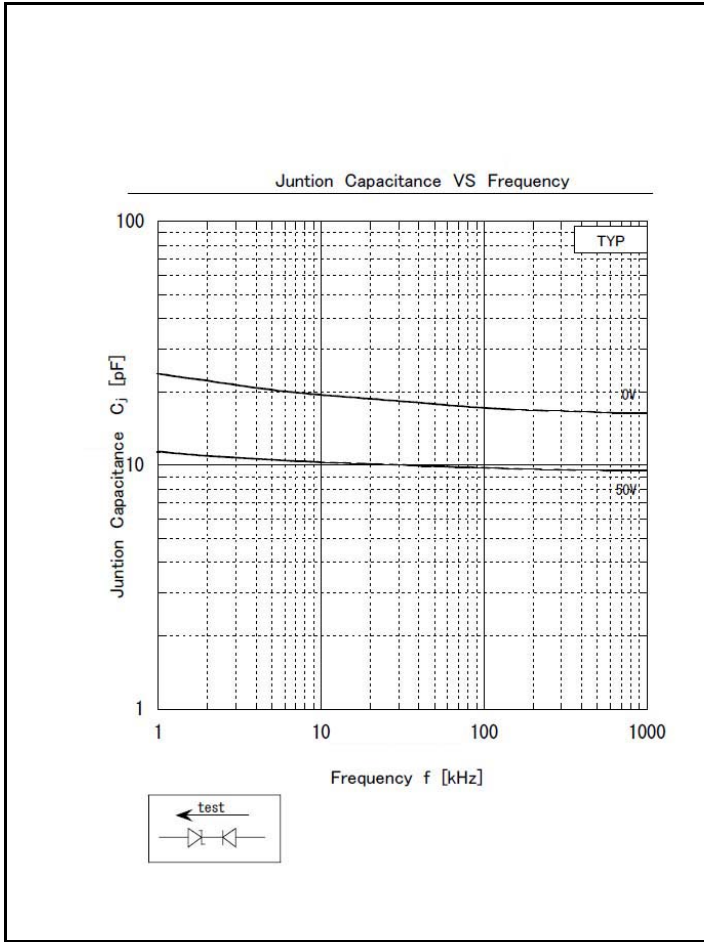
**Electrical Characteristics** (unless otherwise specified : Tl=25°C)

Item	Symbol	Conditions	Ratings			Unit
			MIN	TYP	MAX	
Breakdown voltage(ZD)	$V_{BR}(ZD)$	$I_R=1mA$	220		250	V
Clamping Voltage(ZD)	$V_{CL}(ZD)$	$I_{PP}=1.0A$			300	V
Reverse current(ZD)	$I_R(ZD)$	$V_R=200V$			5	$\mu A$
Reverse current(Di)	$I_R(Di)$	$V_R=1000V$			10	$\mu A$
Reverse recovery time(Di)	$t_{rr}(Di)$	$I_F/I_R=0.1A/0.3A$			500	ns
Thermal resistance	$R_{th}(j-l)$	Junction to lead			13	$^{\circ}C/W$

\* :See the original Specifications

# CHARACTERISTIC DIAGRAMS





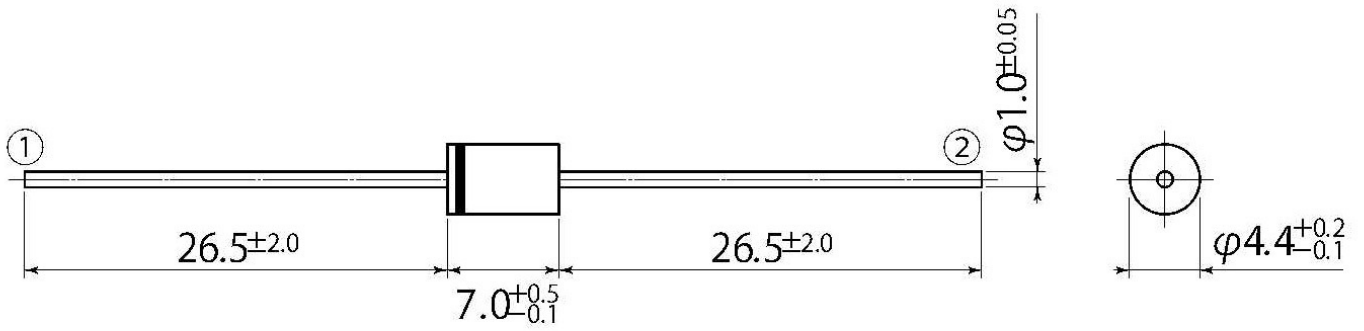
# Outline Dimensions

unit:mm

scale: 2/1

## A5

JEDEC Code	—
JEITA Code	—
House Name	AX10



## Notes

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