

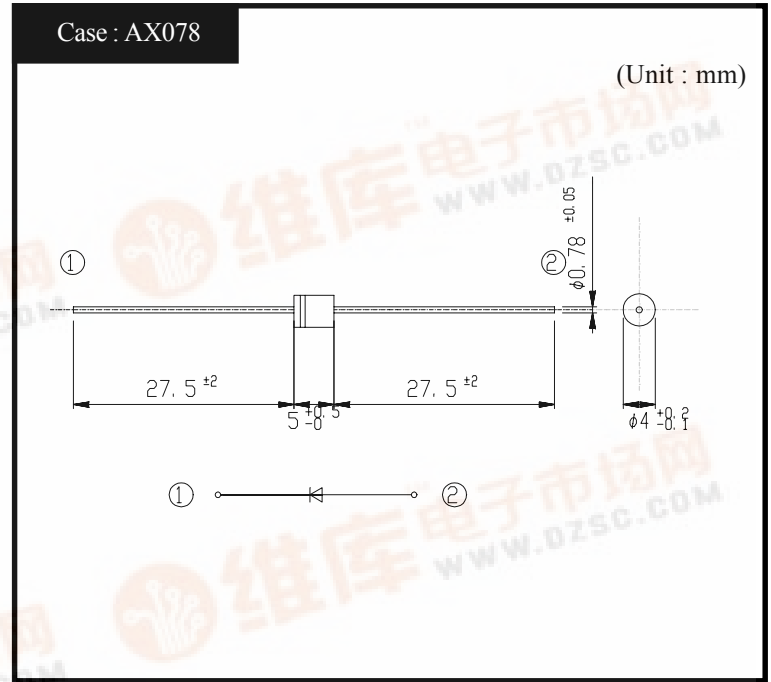
# SHINDENGEN

Trankiller

Axial Package

**ST02D-82**

## OUTLINE DIMENSIONS



## RATINGS

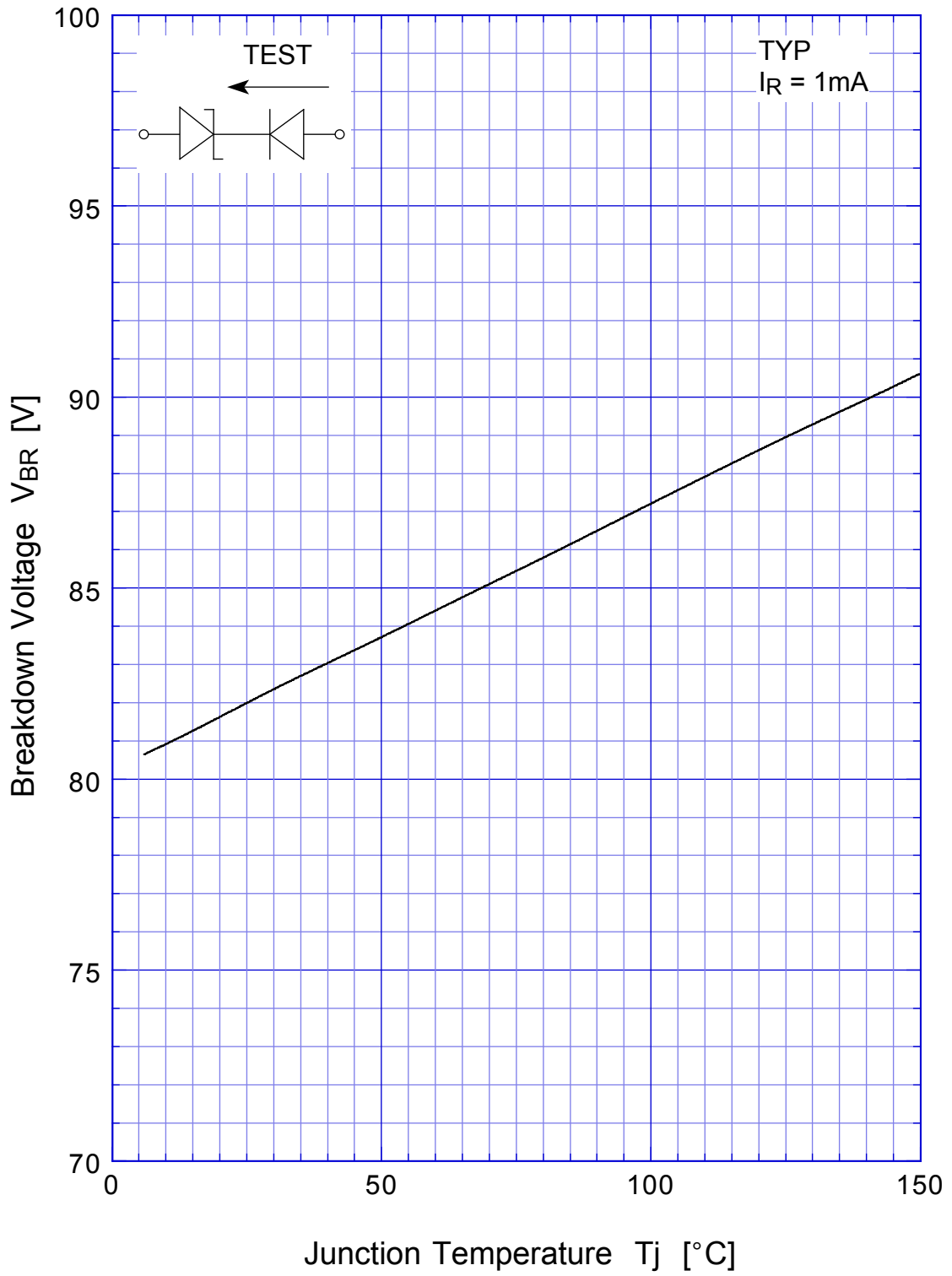
### ● Absolute Maximum Ratings (TI=25°C)

Item	Symbol	Conditions	ZD	Di	Unit
Storage Temperature	T <sub>stg</sub>		-40~150	-40~150	°C
Junction Temperature	T <sub>j</sub>		150	150	°C
Peak Surge Reverse Power	P <sub>RSM</sub>	10/1000 μs, Non-repetitive	200	-	W
Peak Surge Reverse Current	I <sub>RSM</sub>	10/1000 μs, Non-repetitive	1.7	-	A
Maximum Reverse Voltage	V <sub>RM</sub>		67	600	V

### ● Electrical Characteristics (TI=25°C)

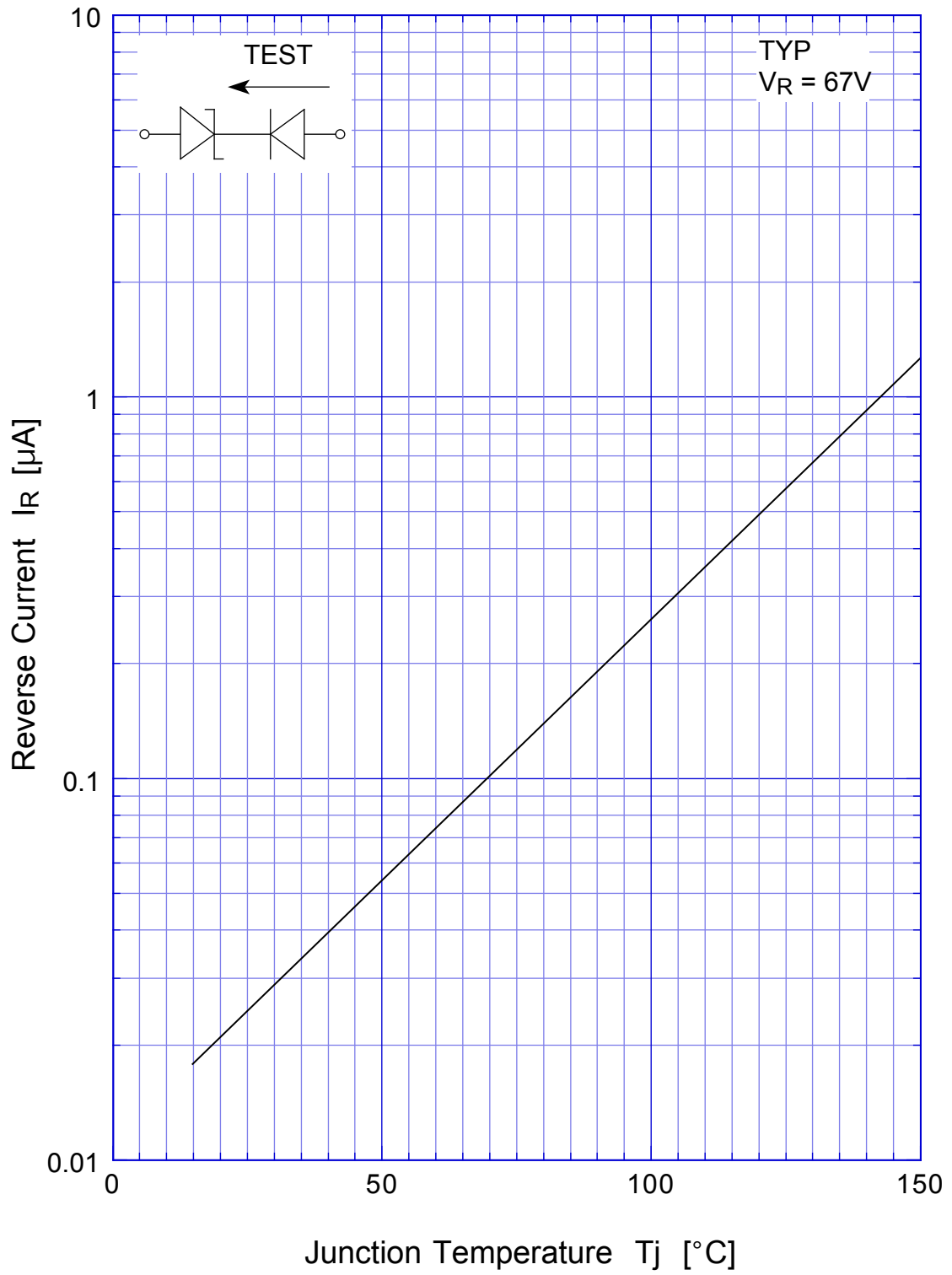
Item	Symbol	Conditions	ZD	Di	Unit
Movement Start Voltage	V <sub>BR</sub>	I <sub>R</sub> = 1mA	MIN 74 TYP 82 MAX 90	-	V
Restriction Voltage	V <sub>CL</sub>	I <sub>PP</sub> = 1.7A	MAX 118	-	V
Leak Current	I <sub>R</sub>	V <sub>R</sub> = V <sub>RM</sub>	MAX 5	MAX 5	μA
Reverse Recovery Time	t <sub>rr</sub>	I <sub>F</sub> /I <sub>R</sub> =0.1A/0.3A	-	MAX 500	ns
Thermal Resistance	θ <sub>jL</sub>	Junction to lead	MAX 17	MAX 17	°C/W

# ST02D-82 Breakdown Voltage

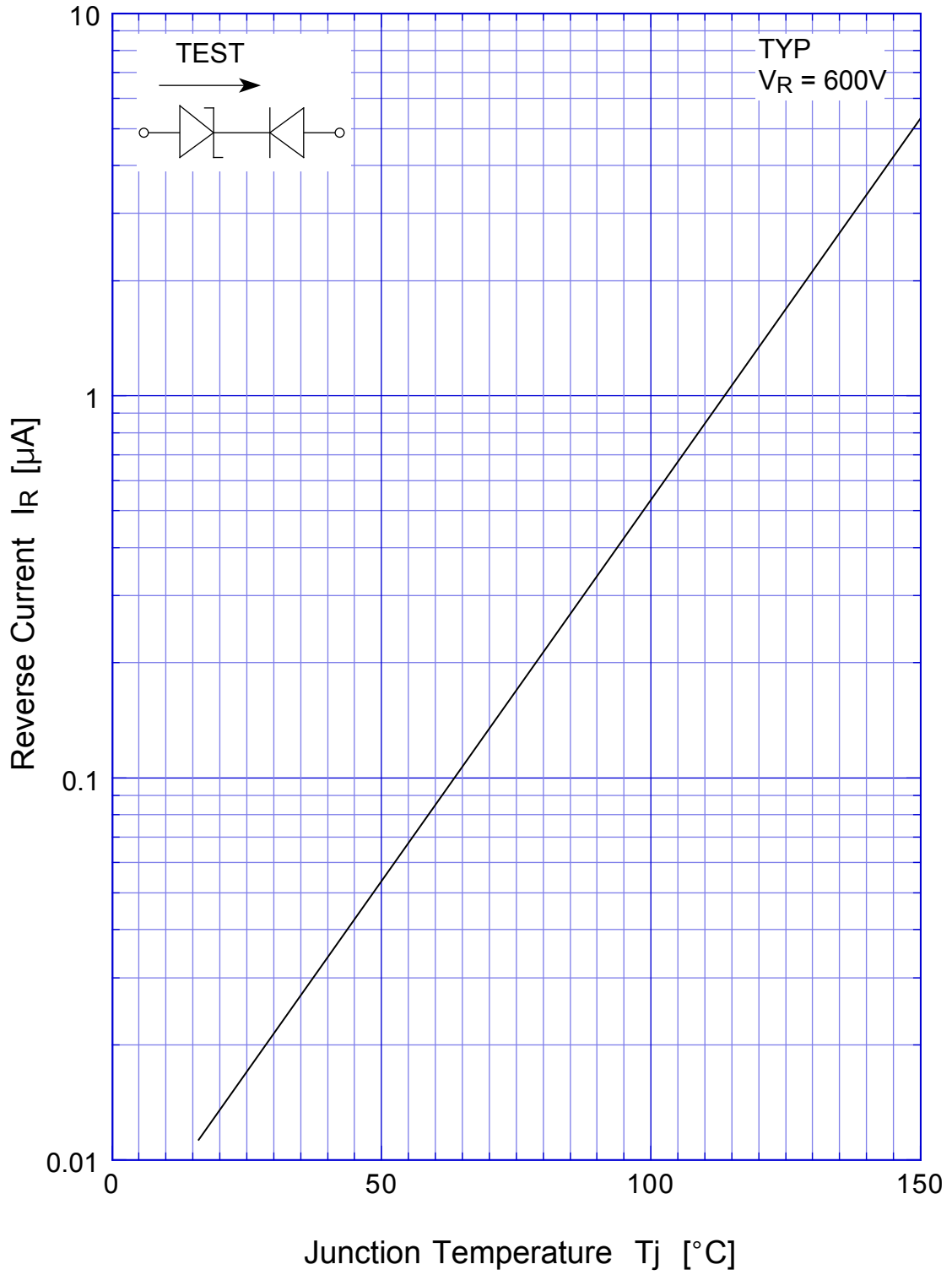


# ST02D-82

## Reverse Current

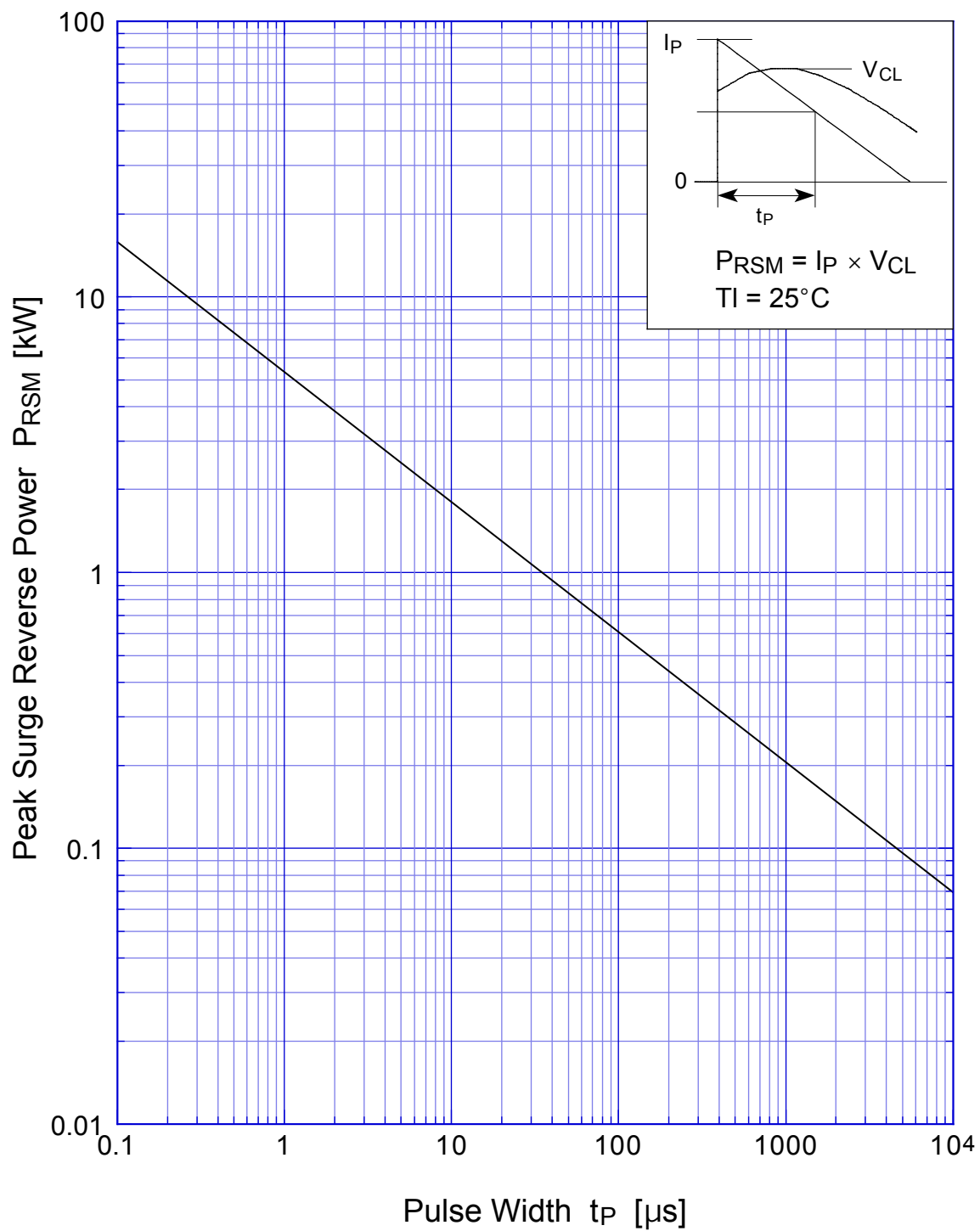


# ST02D-82 Reverse Current

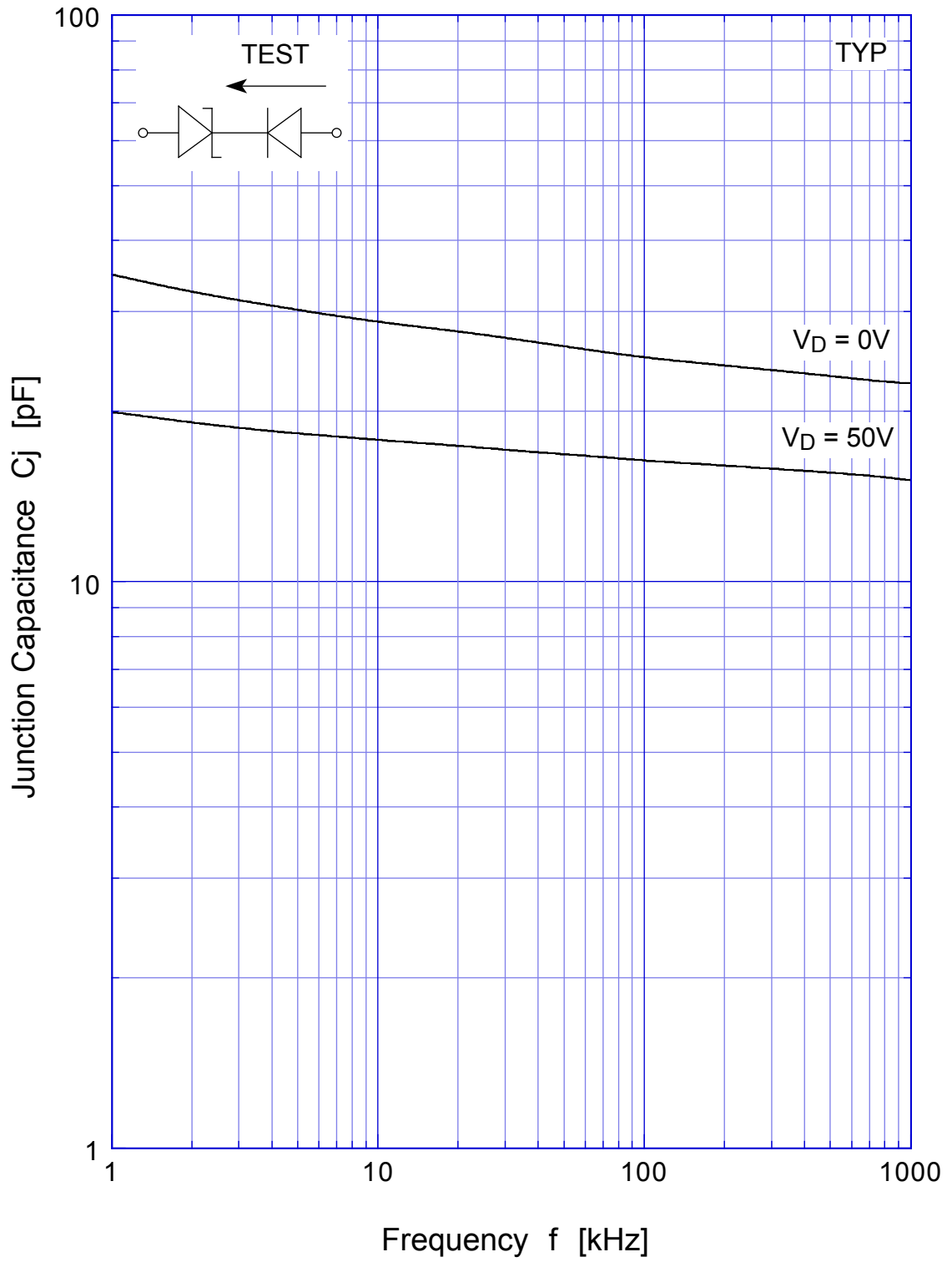


# ST02D-82

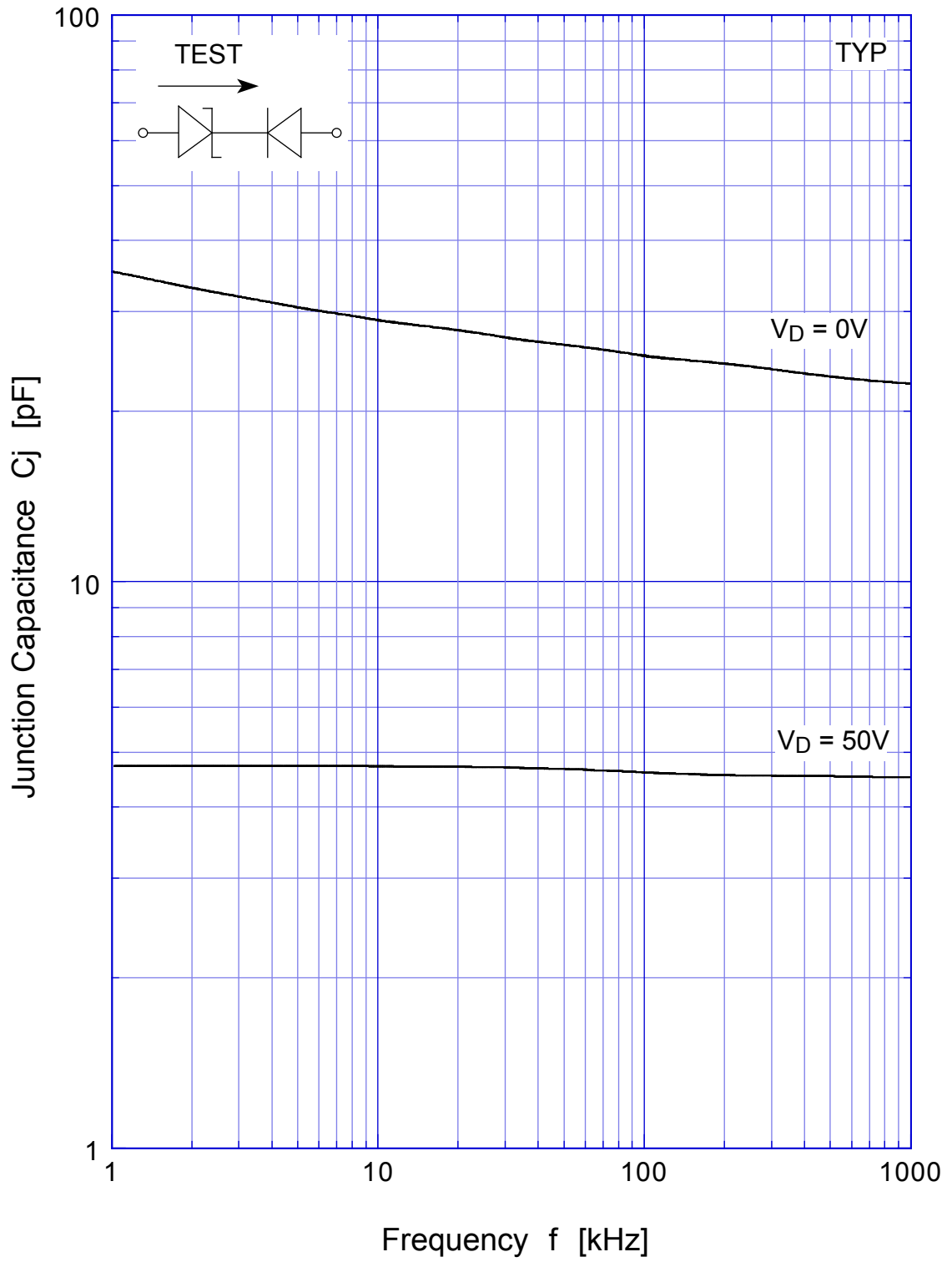
# Peak Surge Reverse Power



# ST02D-82 Junction Capacitance

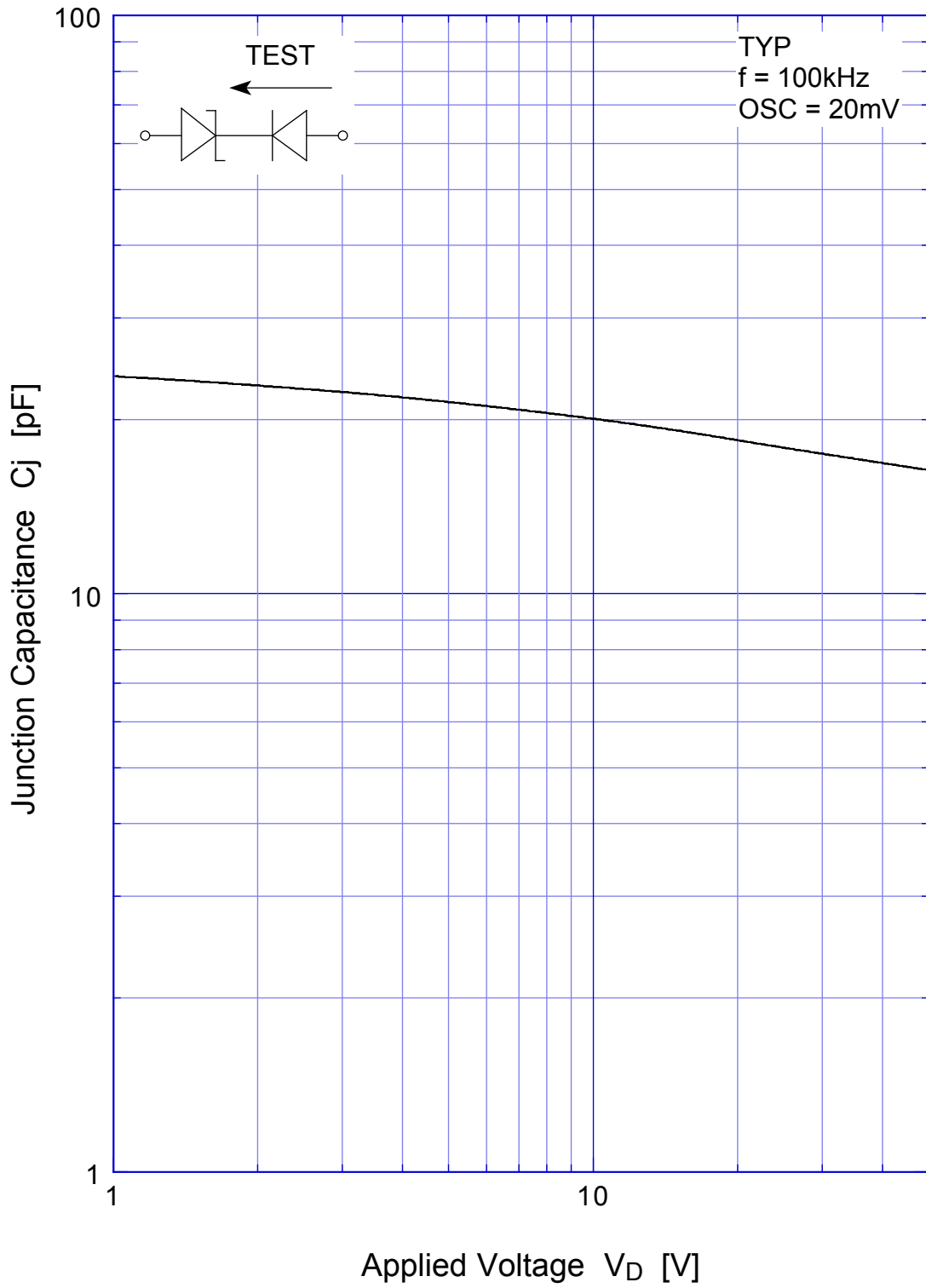


# ST02D-82 Junction Capacitance



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