

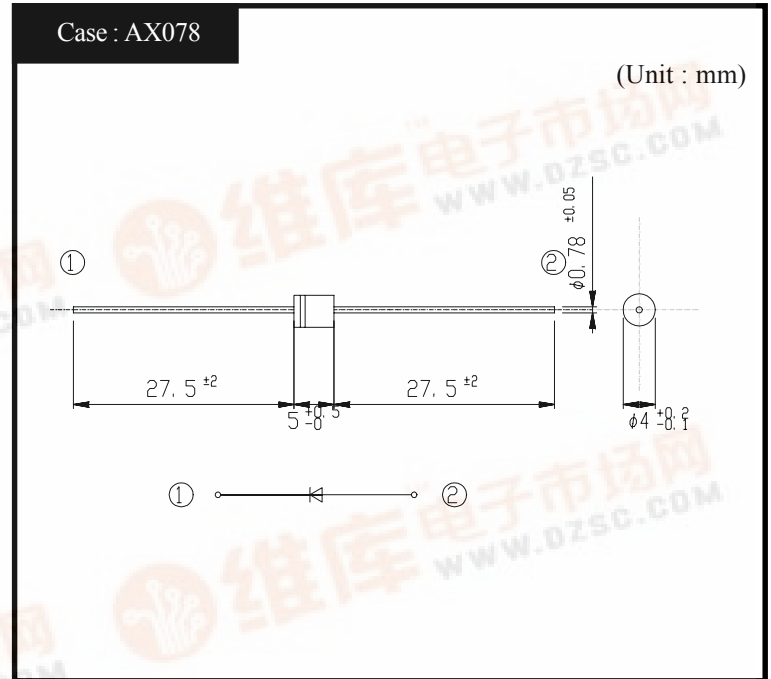
SHINDENGEN

Trankiller

Axial Package

ST02D-200

OUTLINE DIMENSIONS



RATINGS

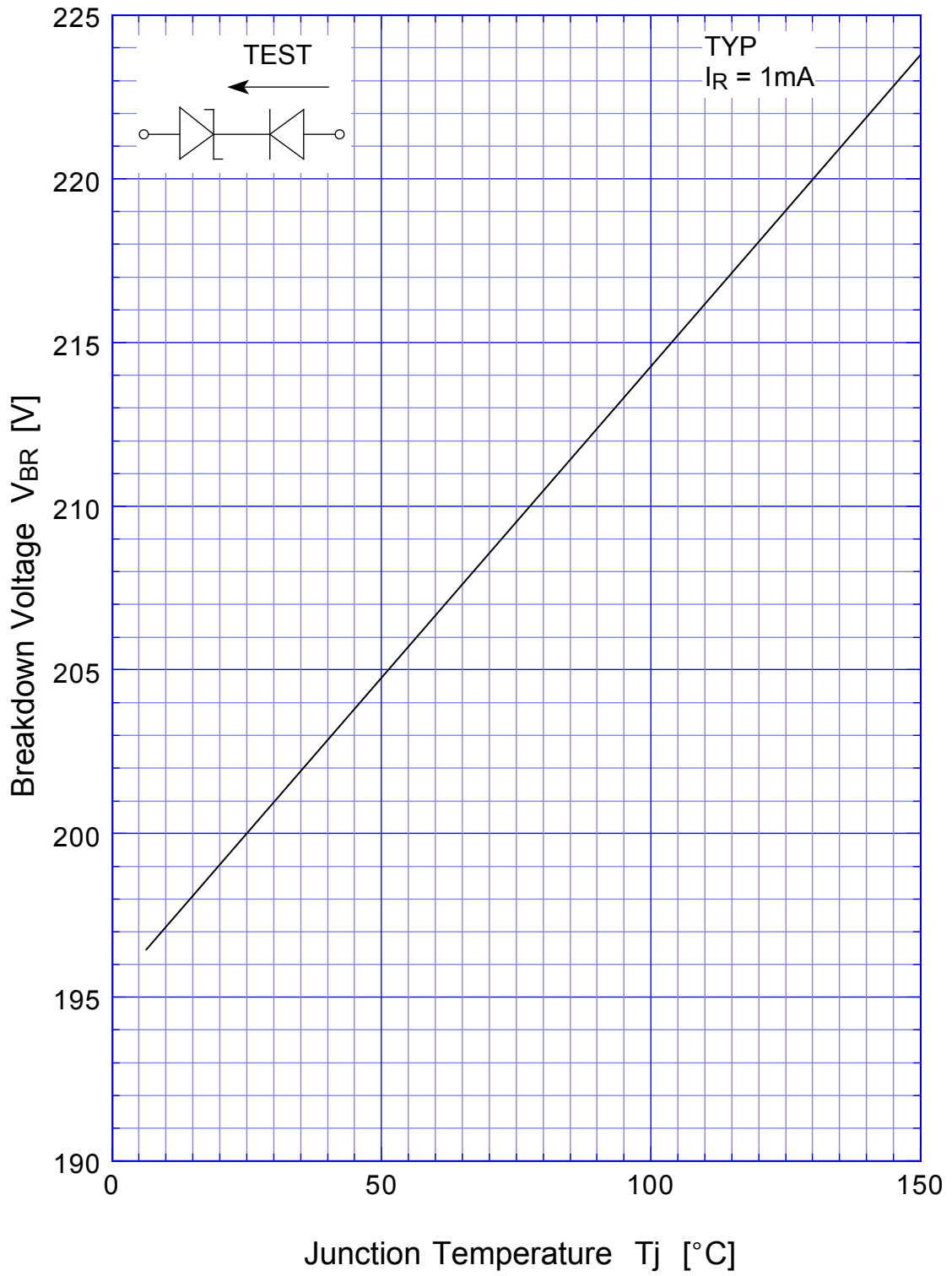
● Absolute Maximum Ratings (TI=25°C)

Item	Symbol	Conditions	ZD	Di	Unit
Storage Temperature	T _{stg}		-40~150	-40~150	°C
Junction Temperature	T _j		150	150	°C
Peak Surge Reverse Power	P _{RSM}	10/1000 μs, Non-repetitive	200	-	W
Peak Surge Reverse Current	I _{RSM}	10/1000 μs, Non-repetitive	0.7	-	A
Maximum Reverse Voltage	V _{RM}		170	600	V

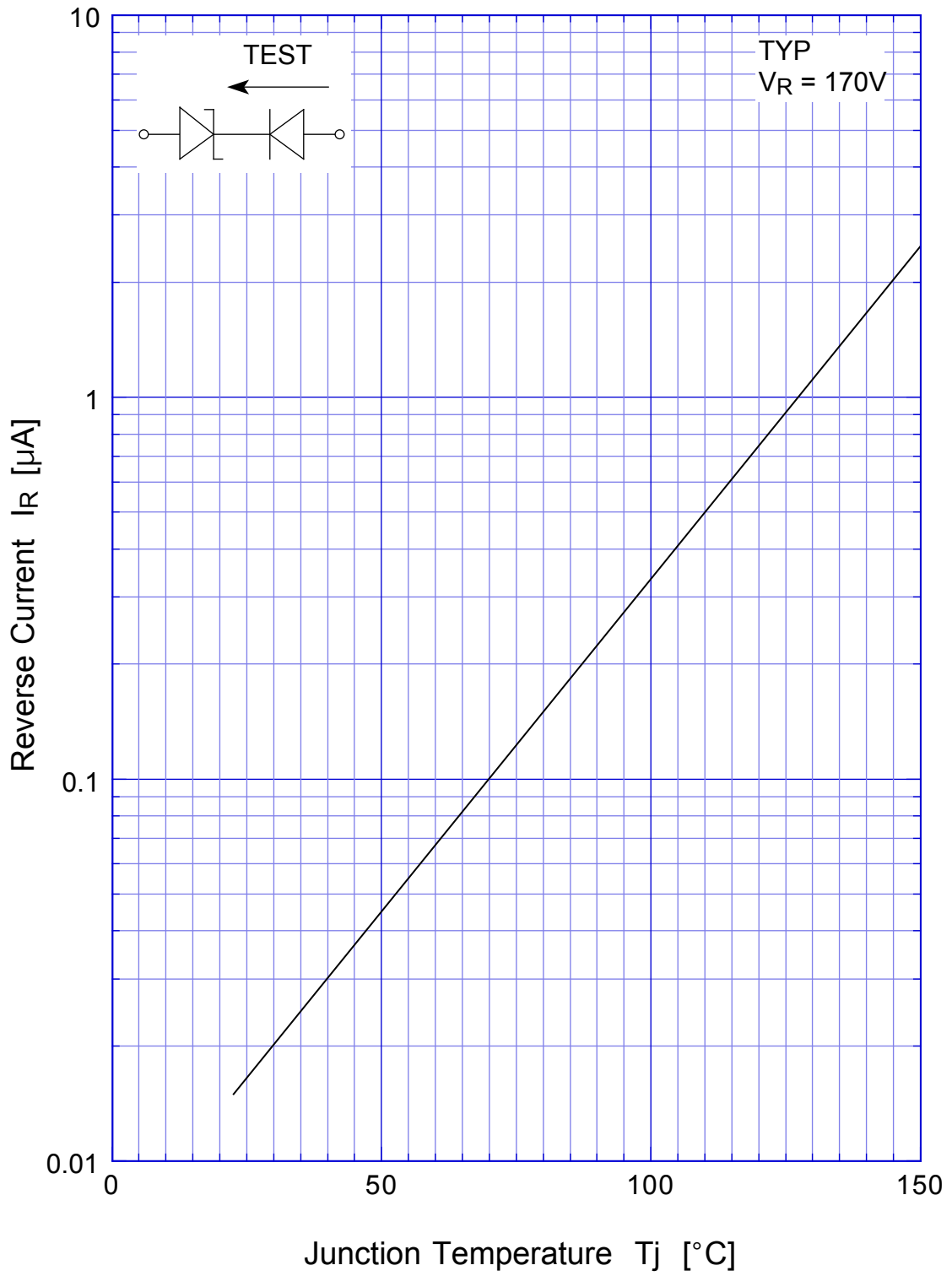
● Electrical Characteristics (TI=25°C)

Item	Symbol	Conditions	ZD	Di	Unit
Movement Start Voltage	V _{BR}	I _R = 1mA	MIN 185 STD 200 MAX 215	-	V
Restriction Voltage	V _{CL}	I _{PP} = 0.75A	MAX 300	-	V
Leak Current	I _R	V _R = V _{RM}	MAX 5	MAX 5	μA
Reverse Recovery Time	t _{rr}	I _F /I _R =0.1A/0.3A	-	MAX 500	ns
Thermal Resistance	θ _{jL}	Junction to lead	MAX 17	MAX 17	°C/W

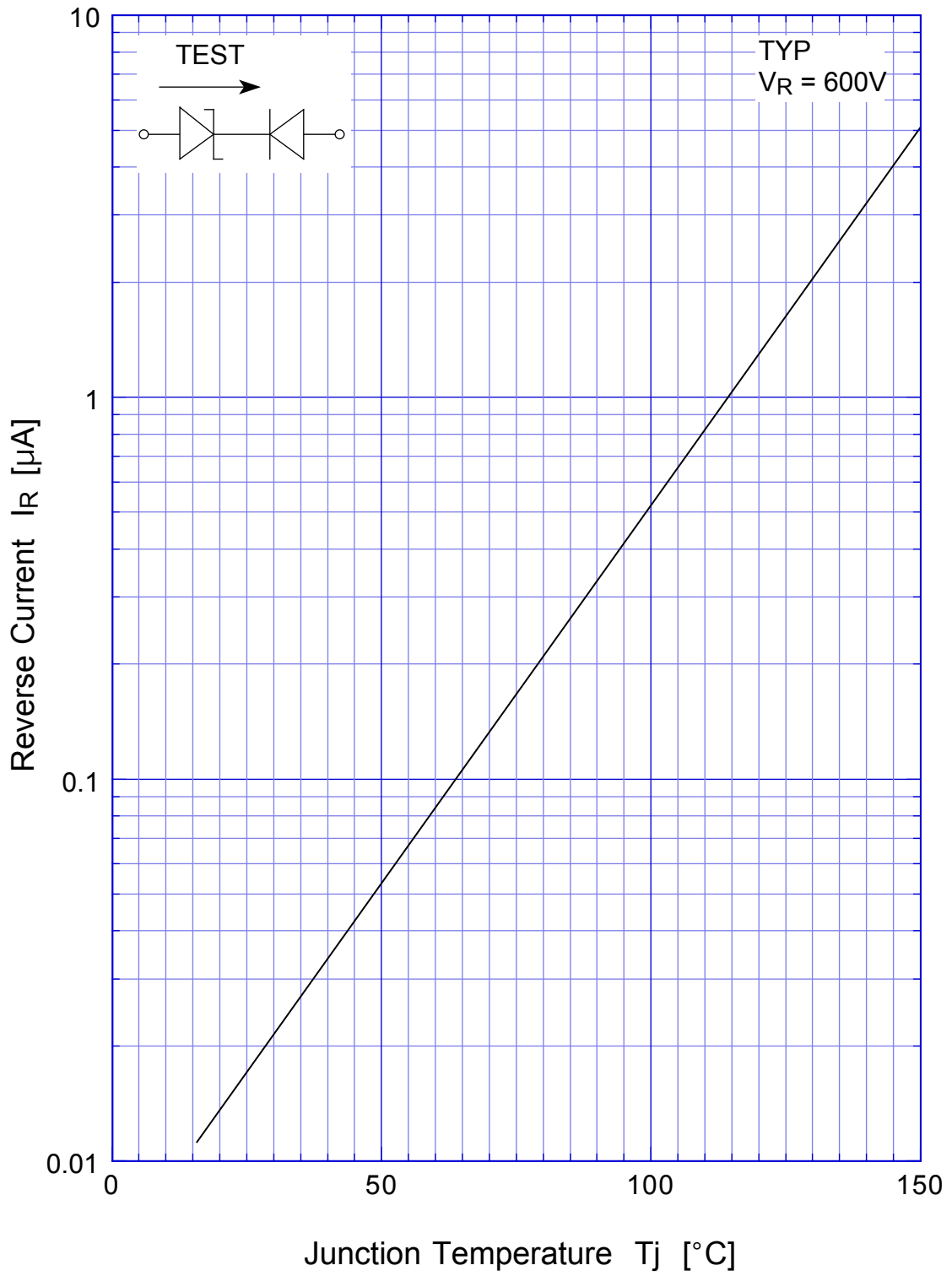
ST02D-200 Breakdown Voltage



ST02D-200 Reverse Current

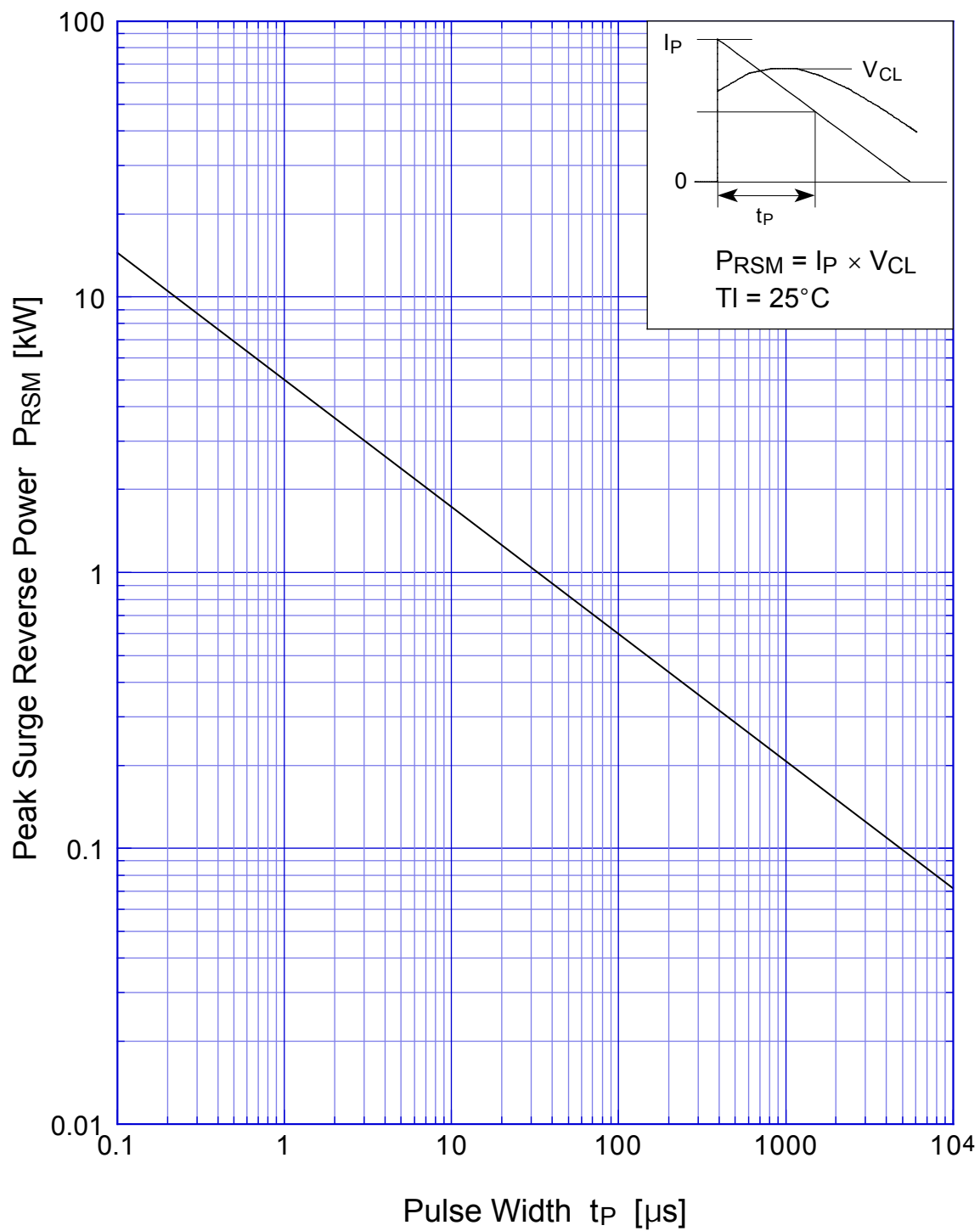


ST02D-200 Reverse Current

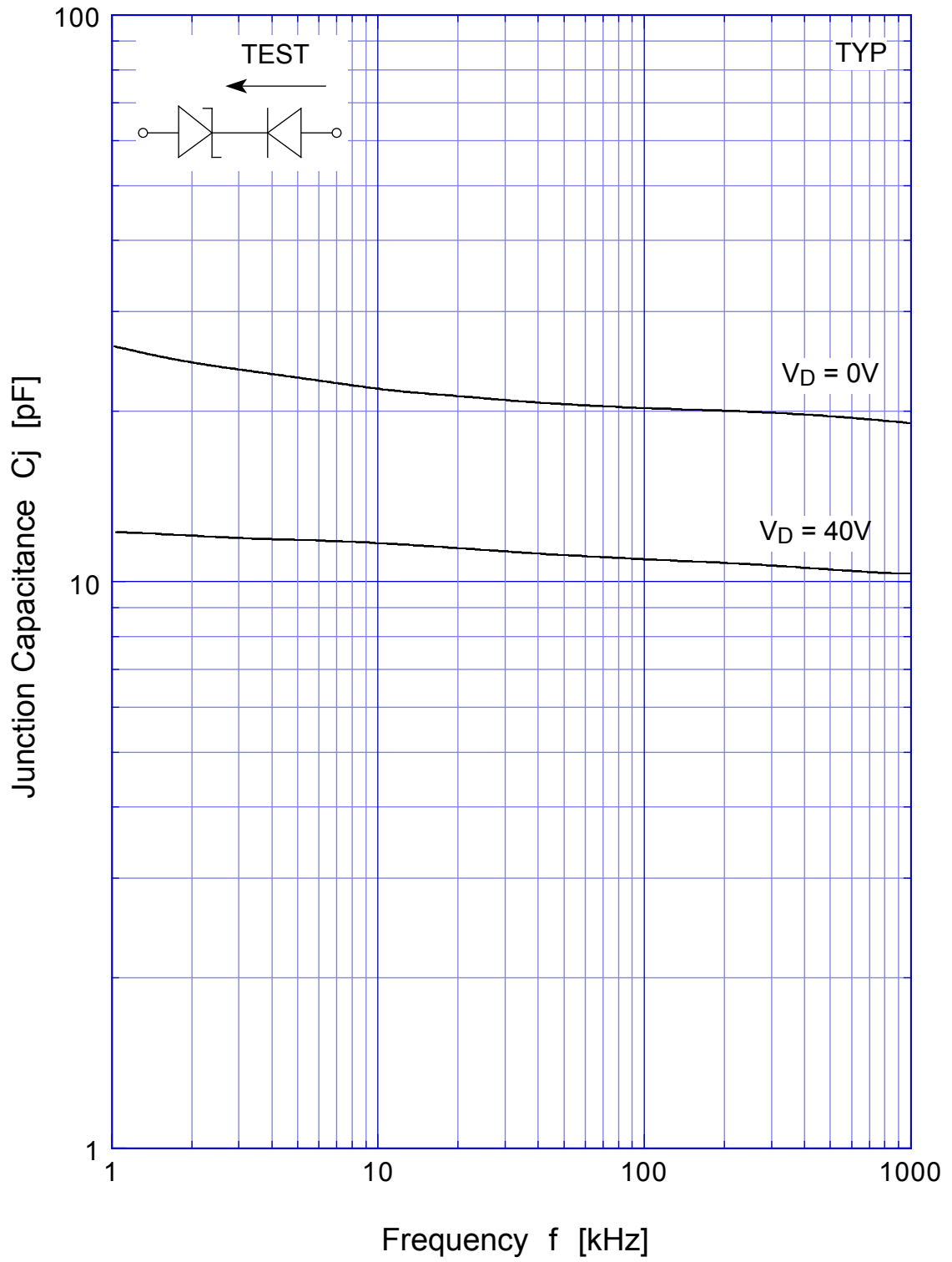


ST02D-200

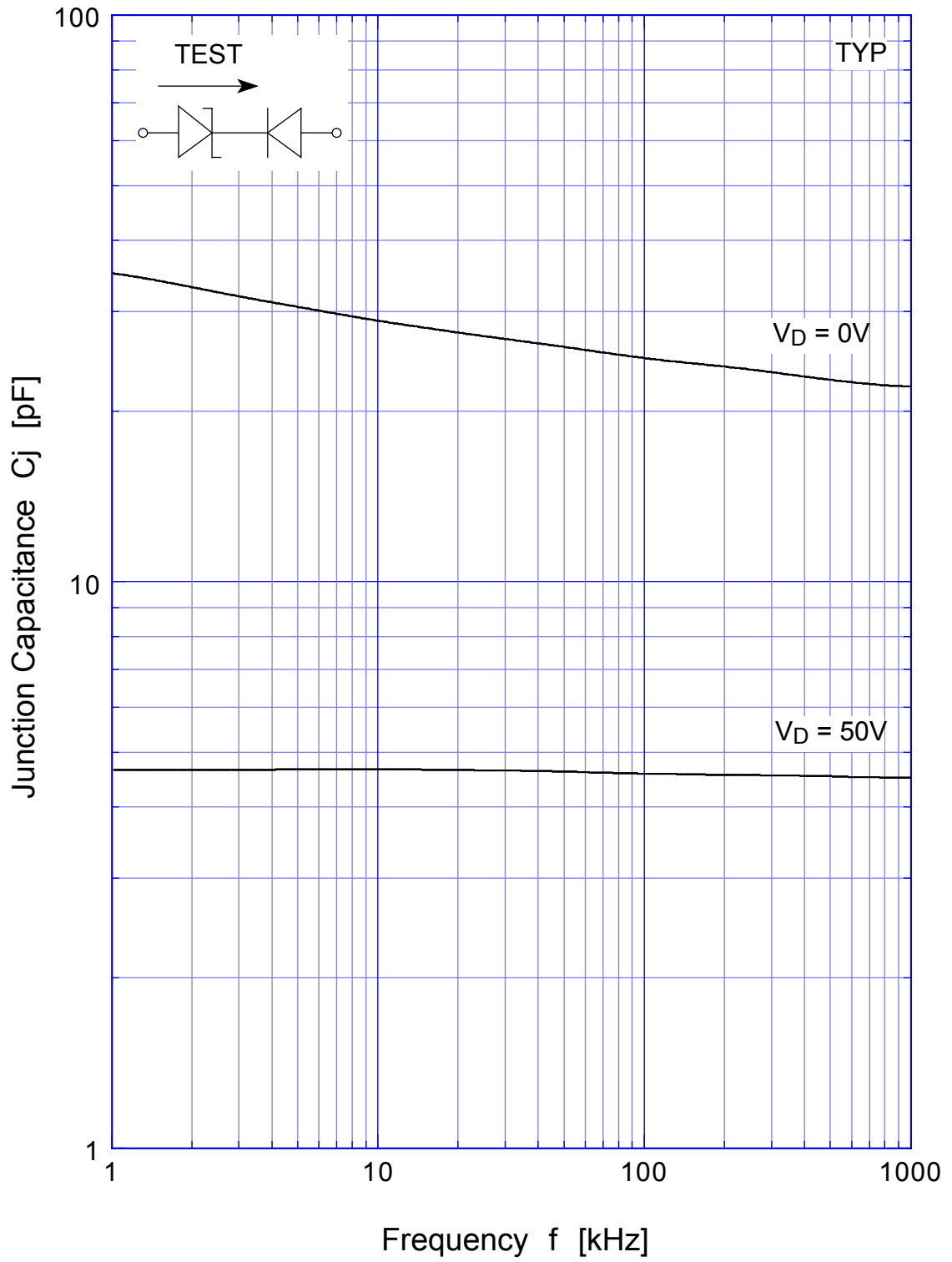
Peak Surge Reverse Power



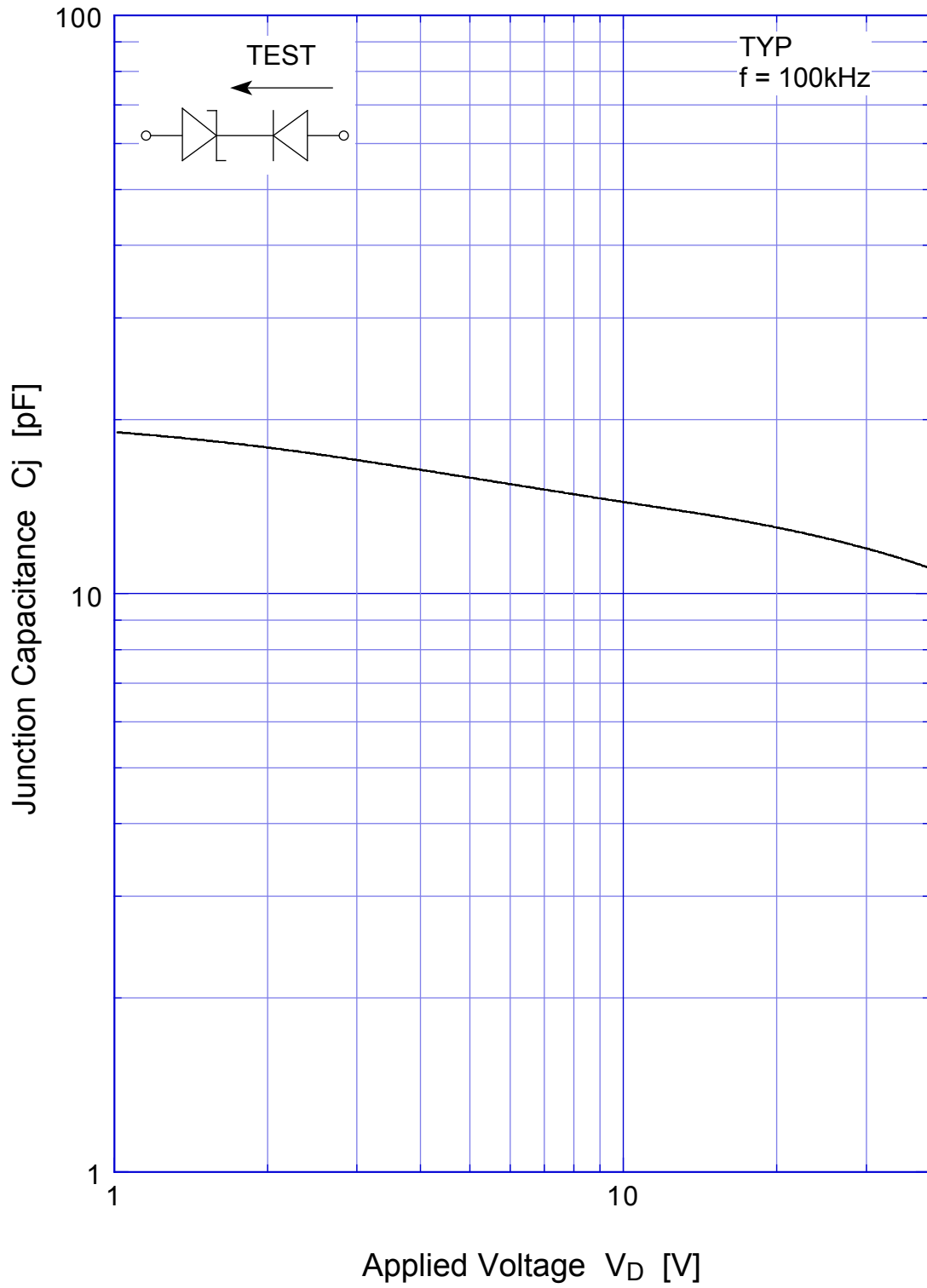
ST02D-200 Junction Capacitance



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