

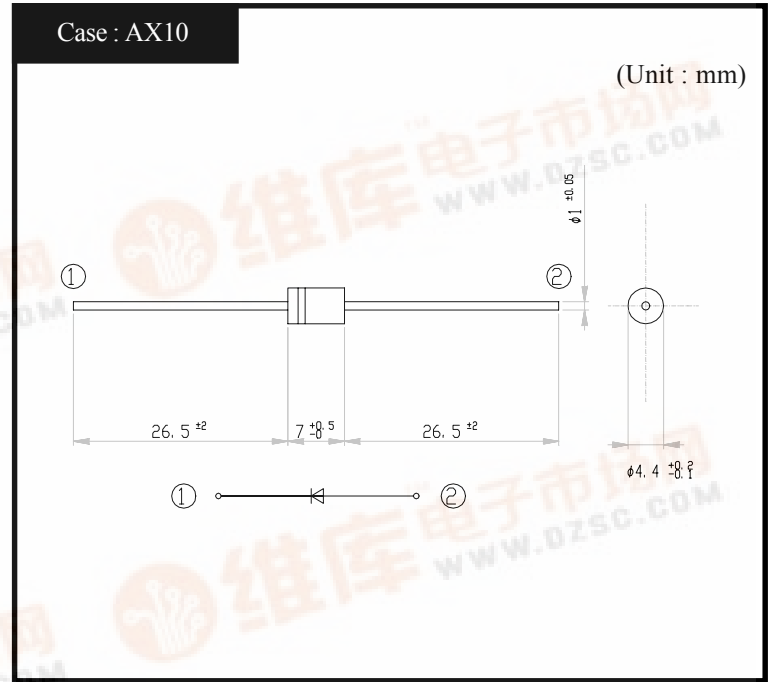
SHINDENGEN

Trankiller

Axial Package

ST03D-170

OUTLINE DIMENSIONS



RATINGS

● Absolute Maximum Ratings (TI=25°C)

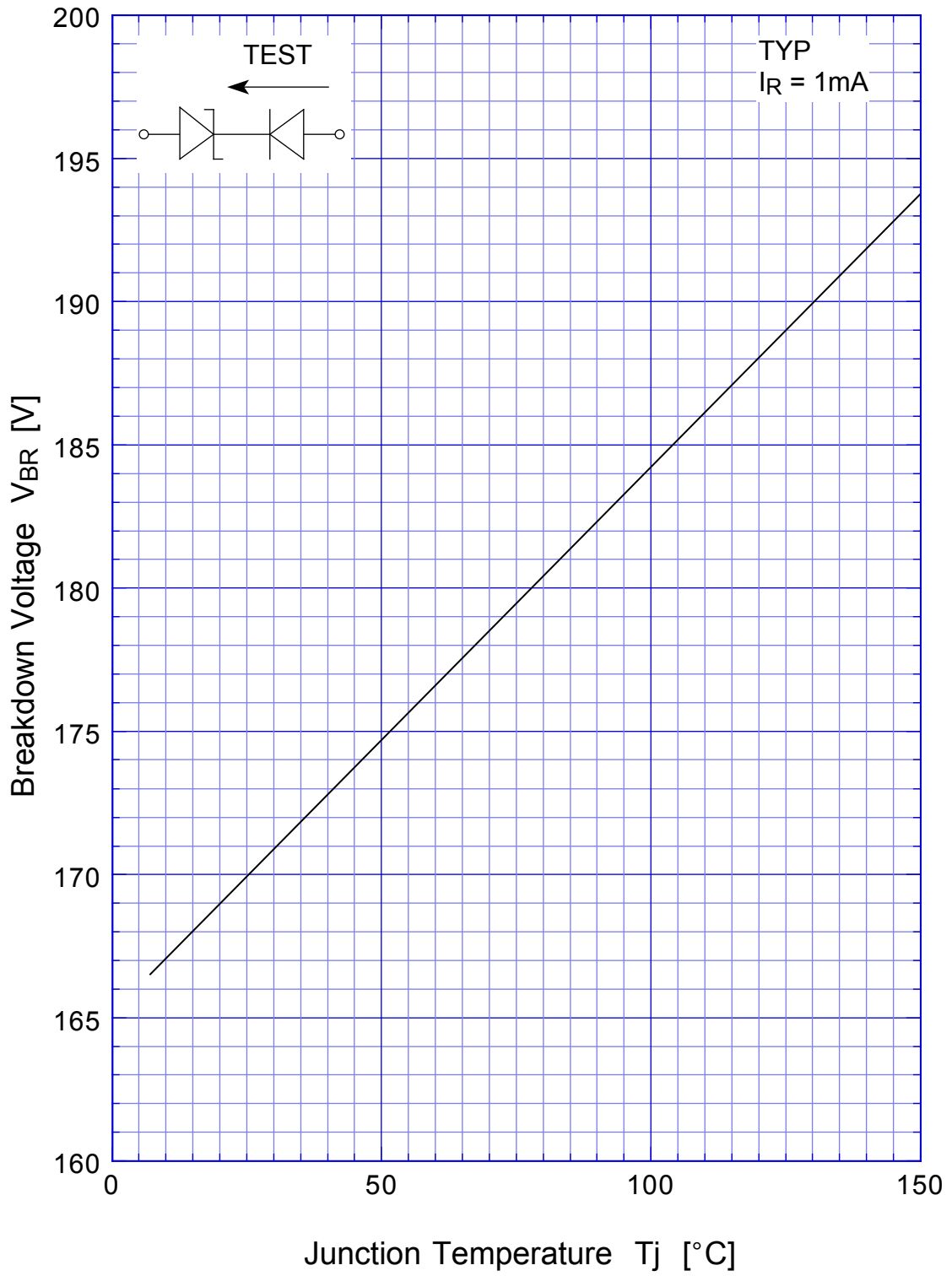
Item	Symbol	Conditions	ZD	Di	Unit
Storage Temperature	T _{stg}		-40~150	-40~150	°C
Junction Temperature	T _j		150	150	°C
Peak Surge Reverse Power	P _{RSM}	10/1000 μs, Non-repetitive	300	-	W
Peak Surge Reverse Current	I _{RSM}	10/1000 μs, Non-repetitive	1.1	-	A
Maximum Reverse Voltage	V _{RM}		145	600	V

● Electrical Characteristics (TI=25°C)

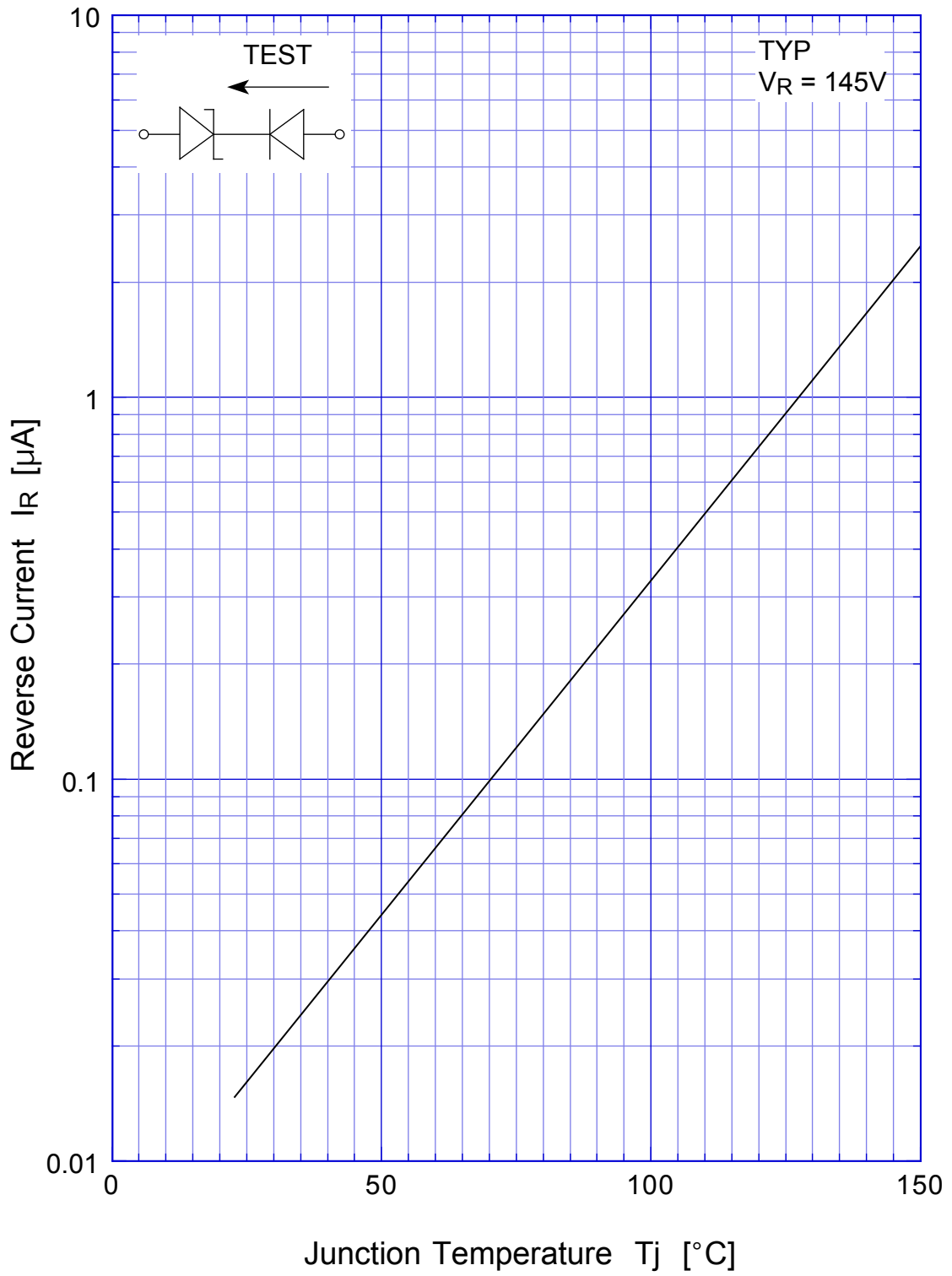
Item	Symbol	Conditions	ZD	Di	Unit
Movement Start Voltage	V _{BR}	I _R = 1mA	MIN 155 TYP 170 MAX 185	-	V
Restriction Voltage	V _{CL}	I _{PP} = 1.1A	MAX 280	-	V
Leak Current	I _R	V _R = V _{RM}	MAX 5	MAX 5	μA
Reverse Recovery Time	t _{rr}	I _F /I _R =0.1A/0.3A	-	MAX 500	ns
Thermal Resistance	θ _{jL}	Junction to lead	MAX 13	MAX 13	°C/W



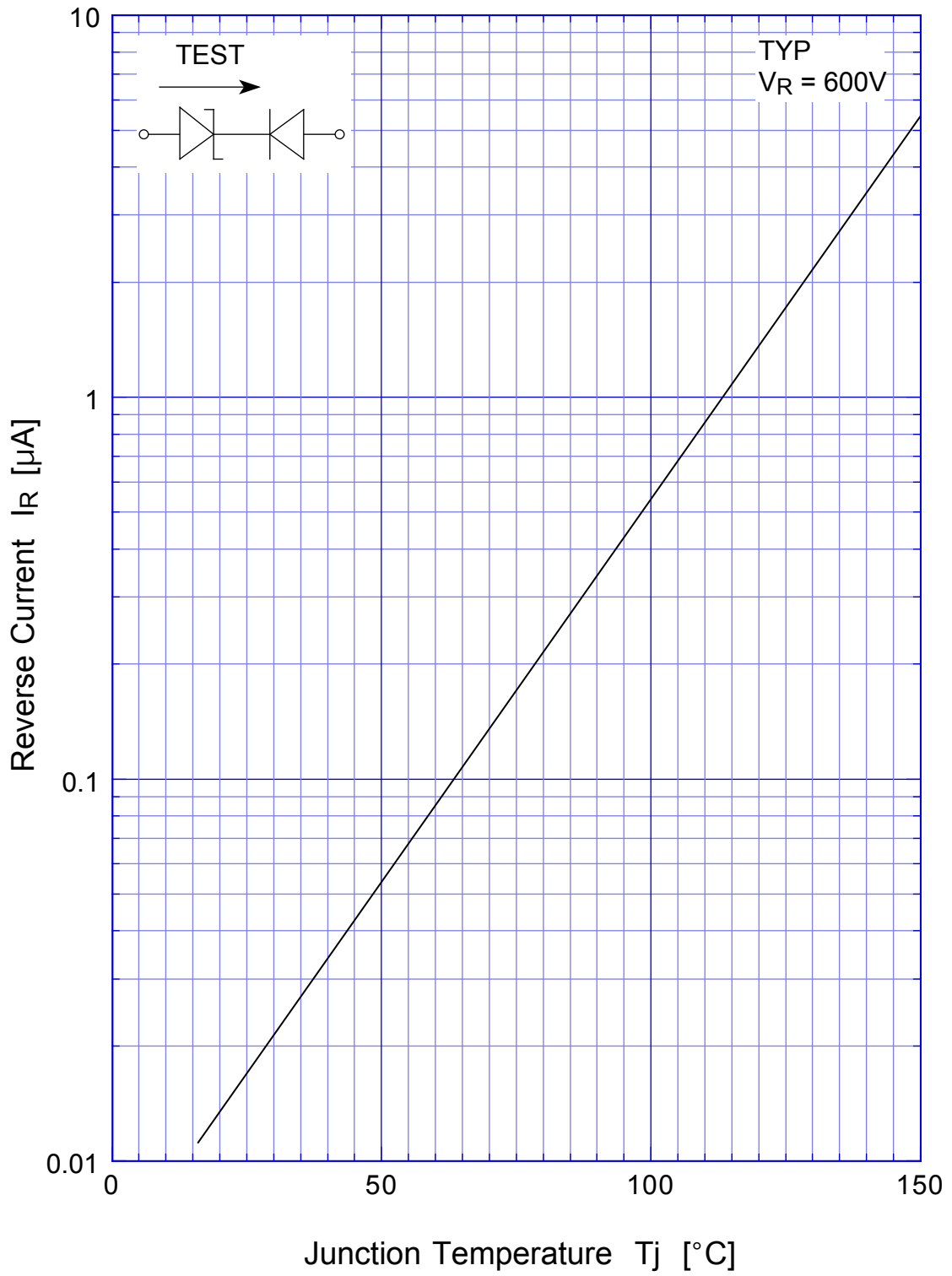
ST03D-170 Breakdown Voltage



ST03D-170 Reverse Current

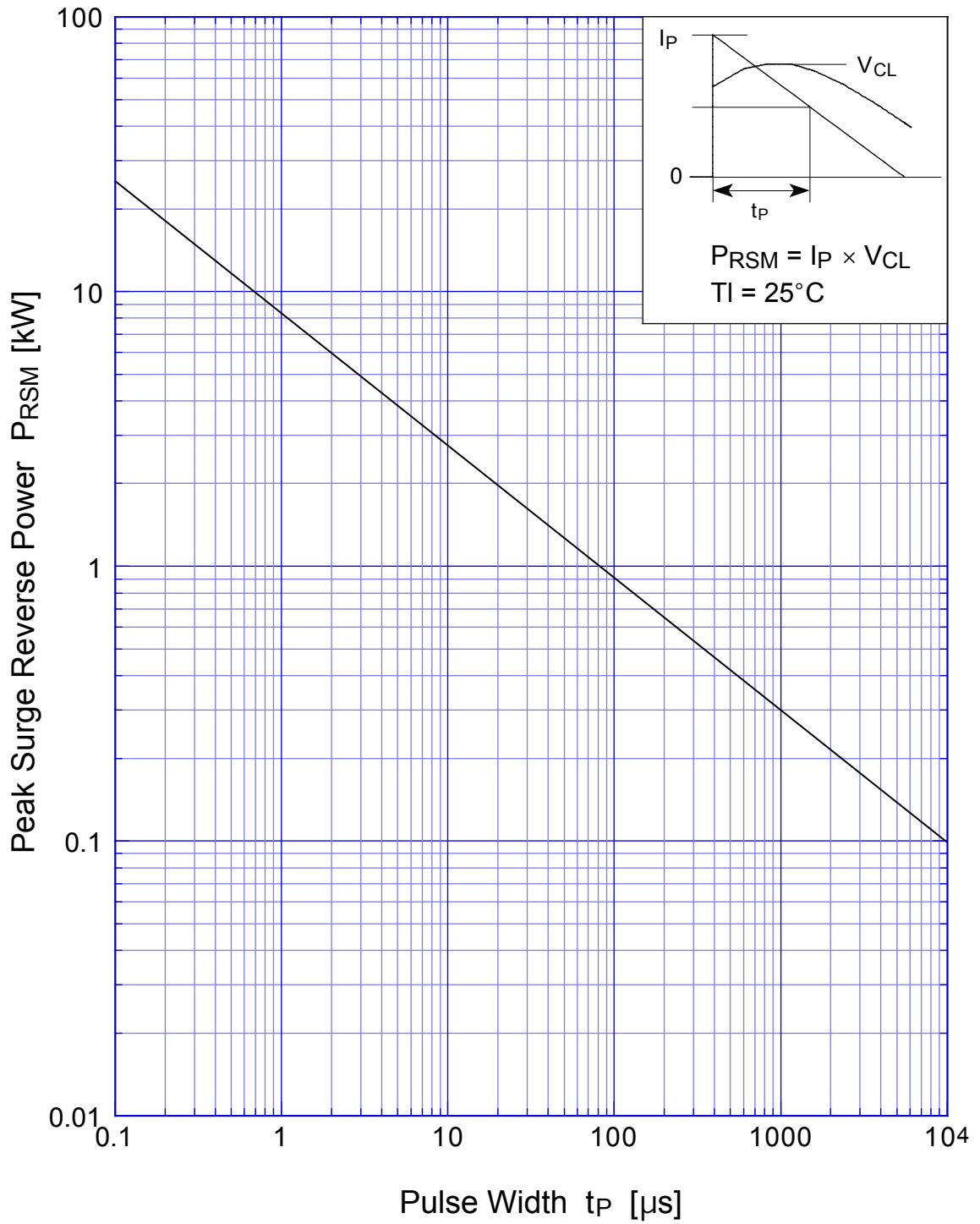


ST03D-170 Reverse Current

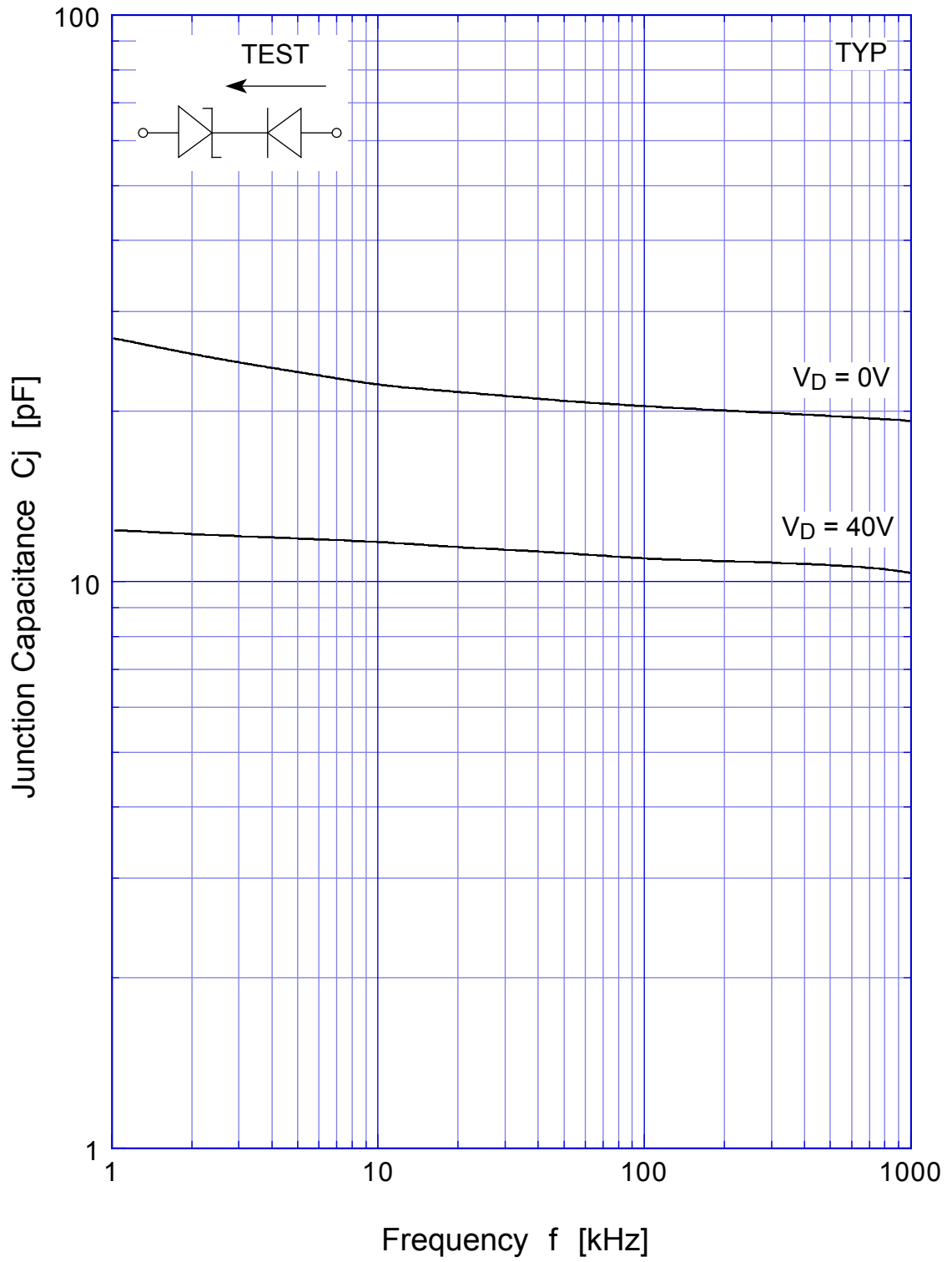


ST03D-170

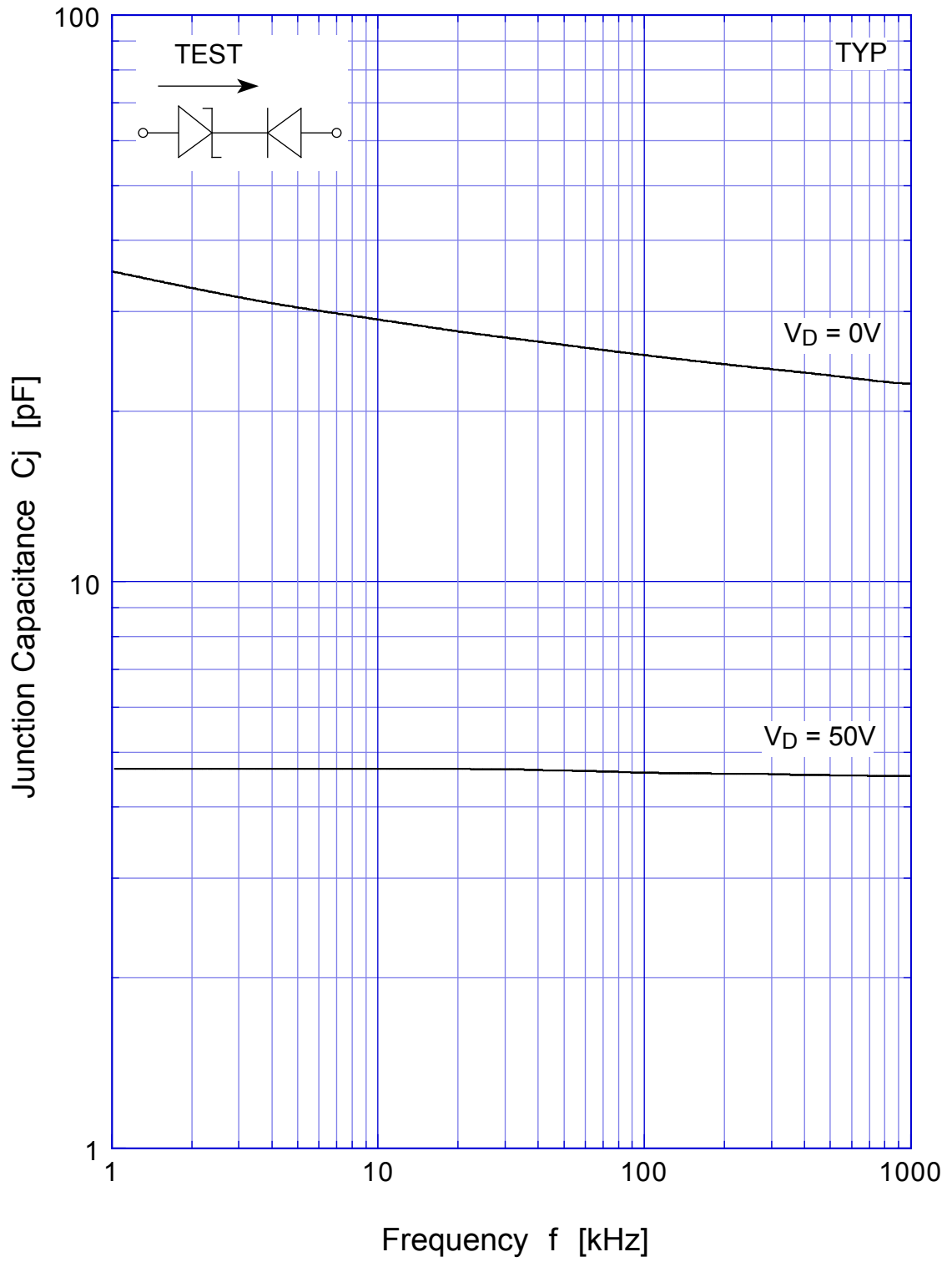
Peak Surge Reverse Power



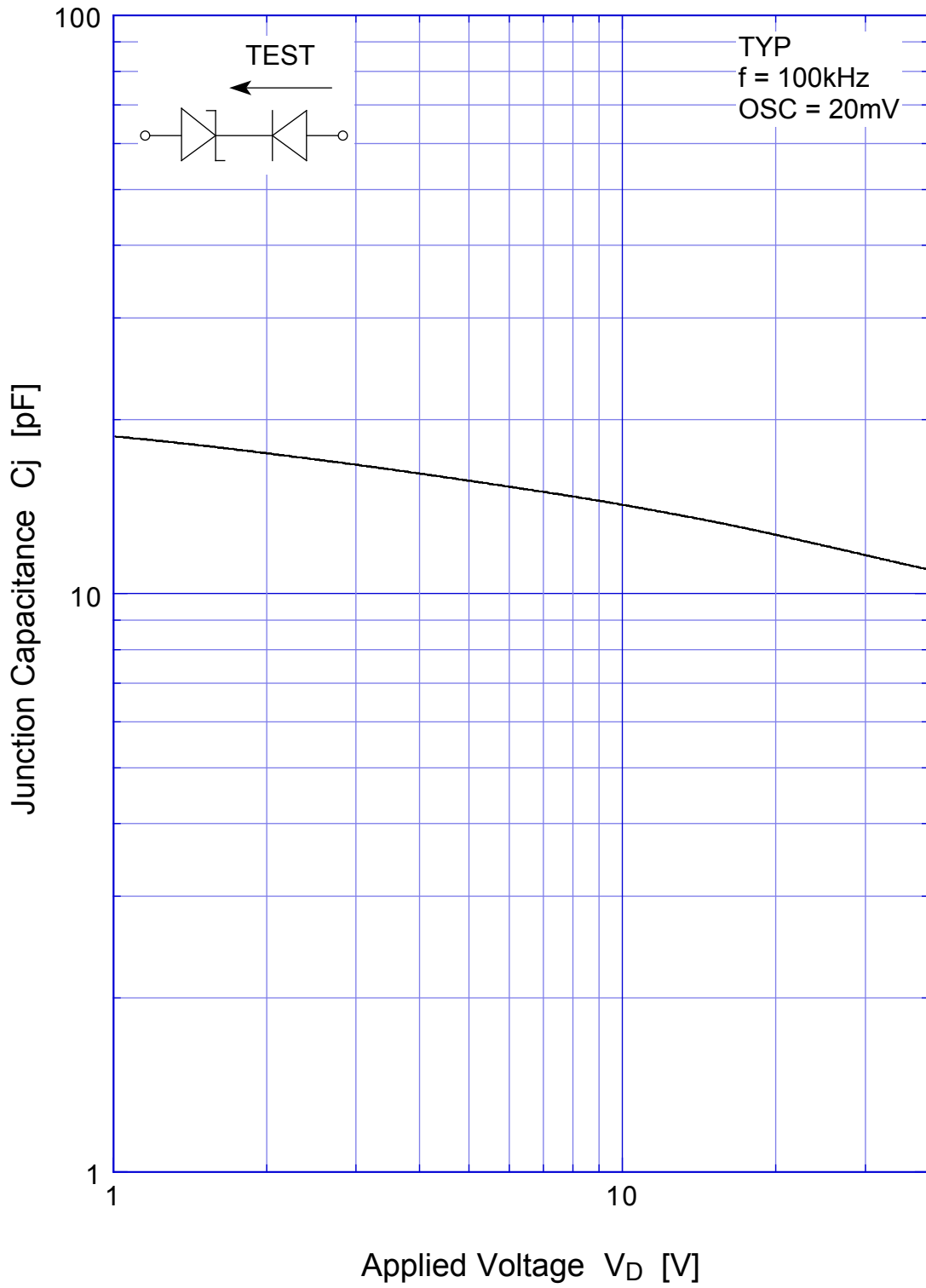
ST03D-170 Junction Capacitance



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