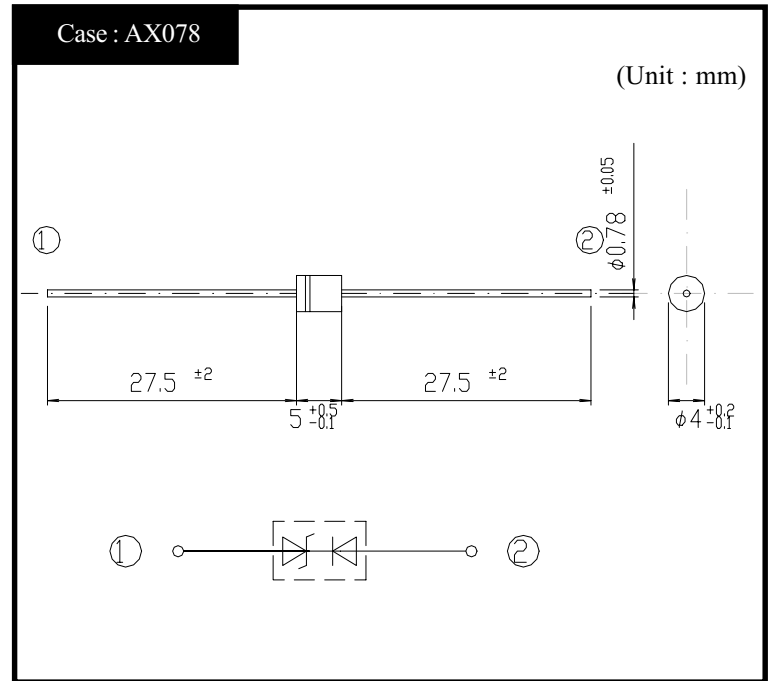


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OUTLINE DIMENSIONS



RATINGS

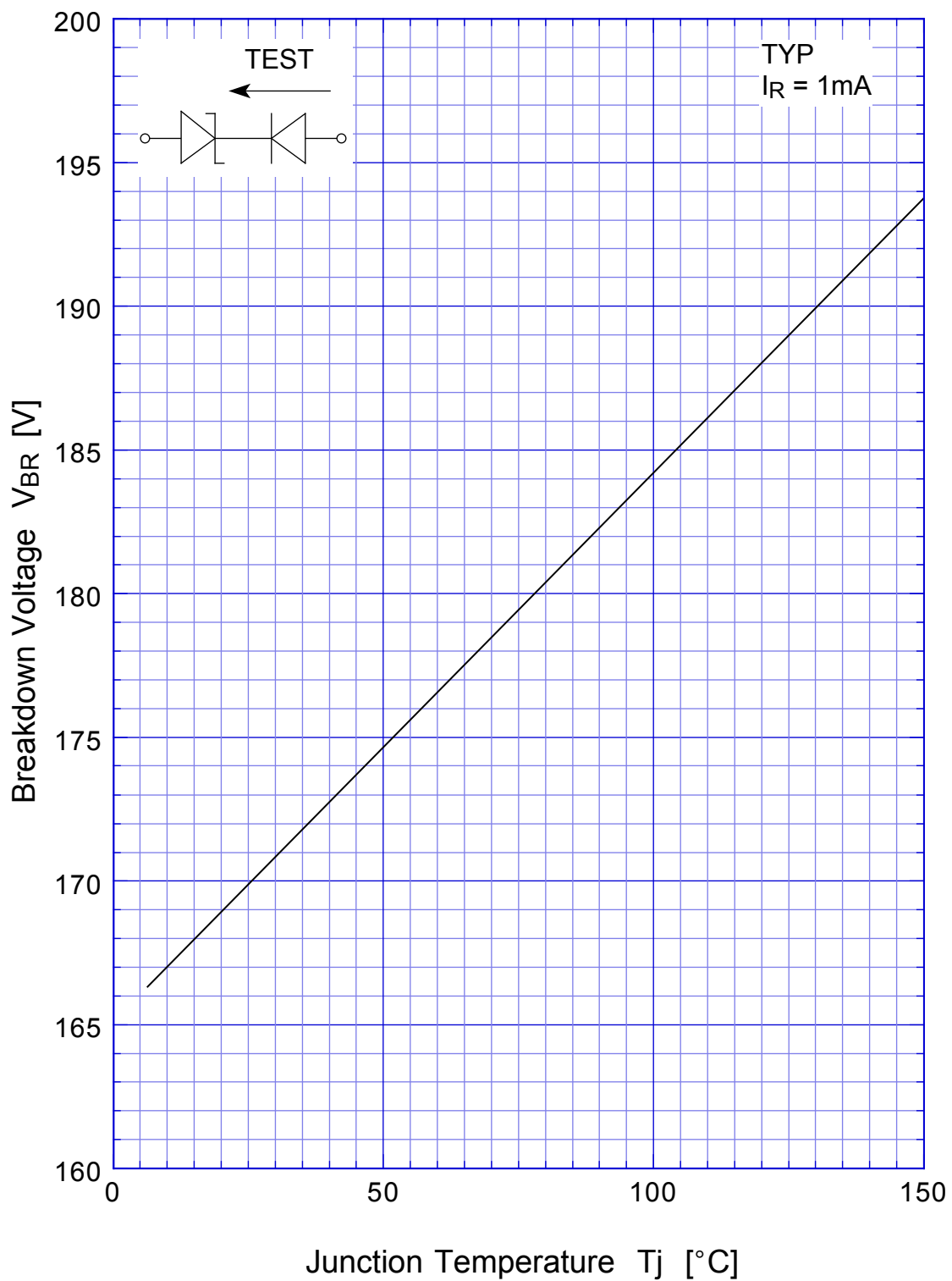
● Absolute Maximum Ratings (Tl=25°C)

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 μ s, Non-repetitive	200	-	W
Peak Surge Reverse Current	I _{RSM}	10/1000 μ s, Non-repetitive	0.75	-	A
Maximum Reverse Voltage	V _{RM}		145	600	V

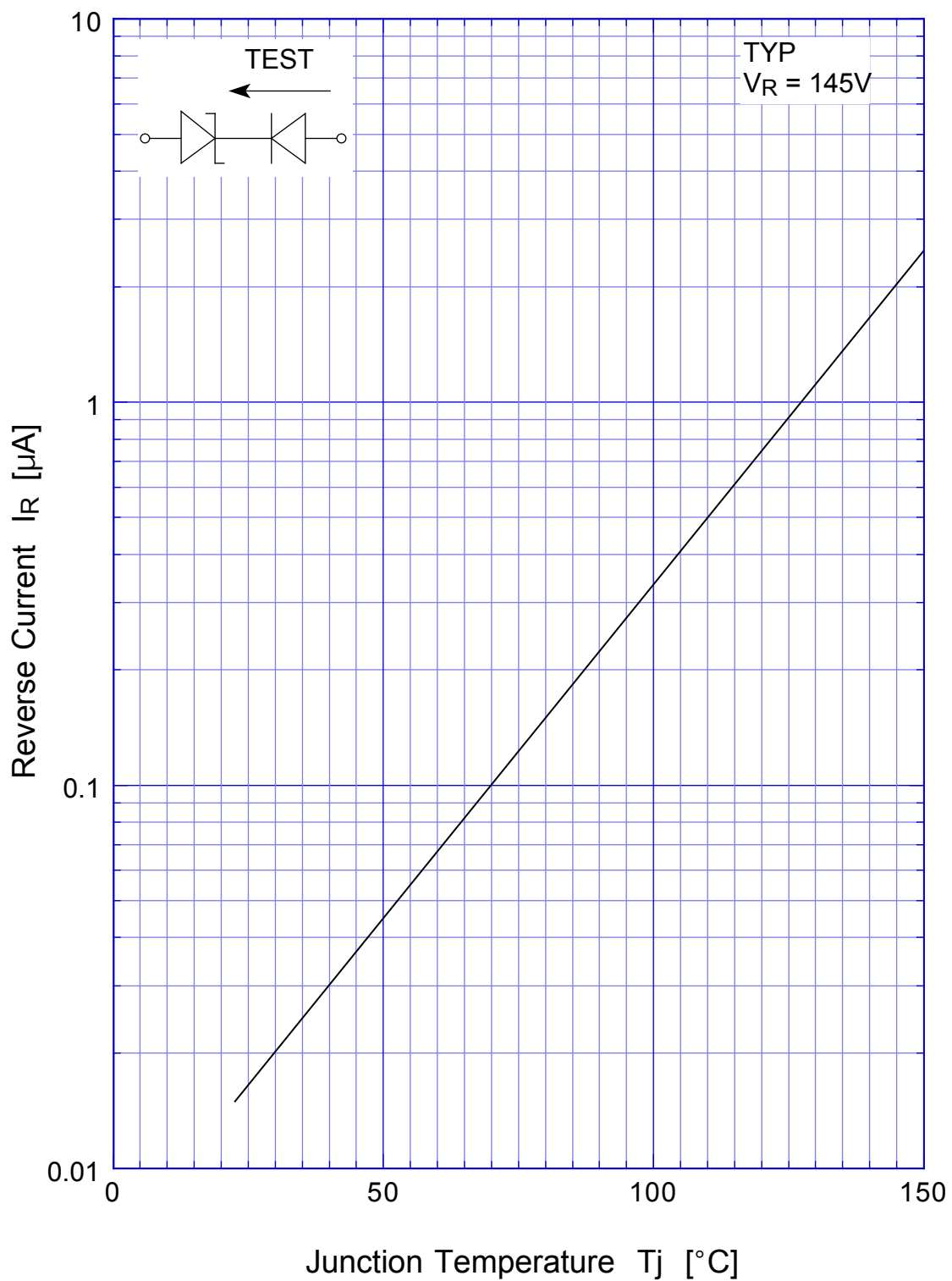
● Electrical Characteristics (Tl=25°C)

Item	Symbol	Conditions	ZD	Di	Unit
Movement Start Voltage	V _{BR}	I _R = 1mA	MIN 155 TYP 170 MAX 185	-	V
Restriction Voltage	V _{GL}	I _{PP} = 0.75A	MAX 280	-	V
Leak Current	I _R	V _R = V _{RM}	MAX 5	MAX 5	μ A
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

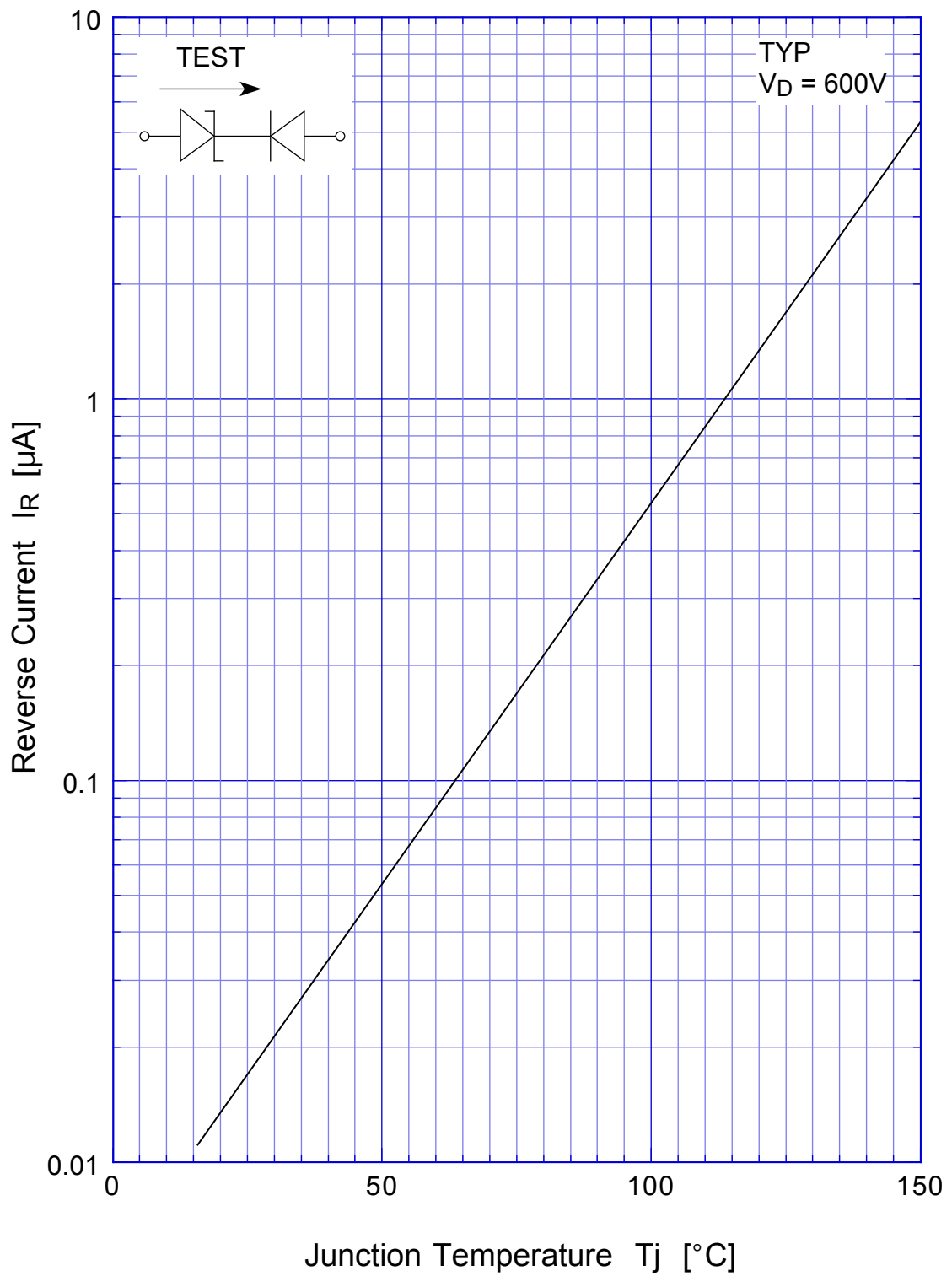
ST02D-170 Breakdown Voltage



ST02D-170 Reverse Current

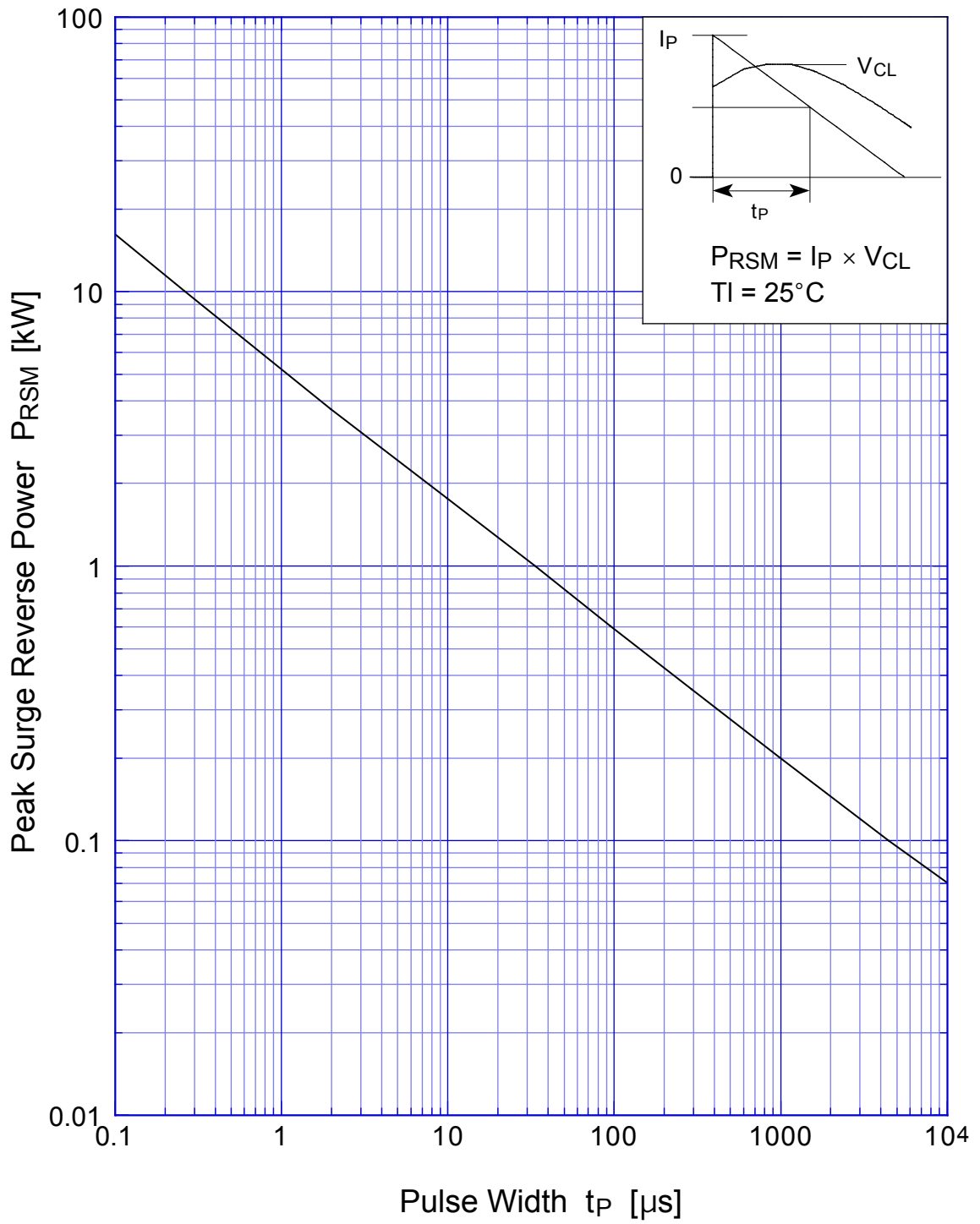


ST02D-170 Reverse Current

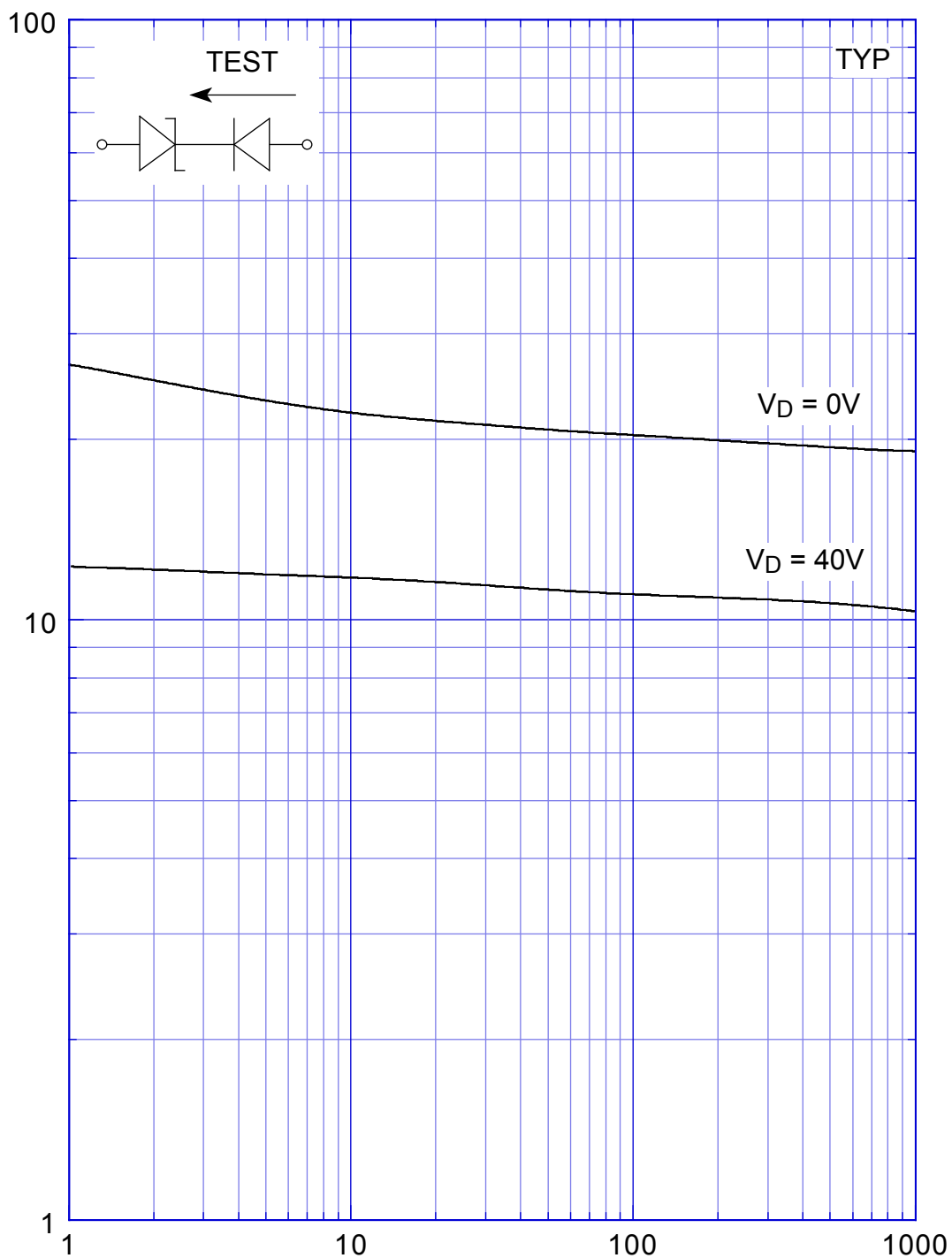


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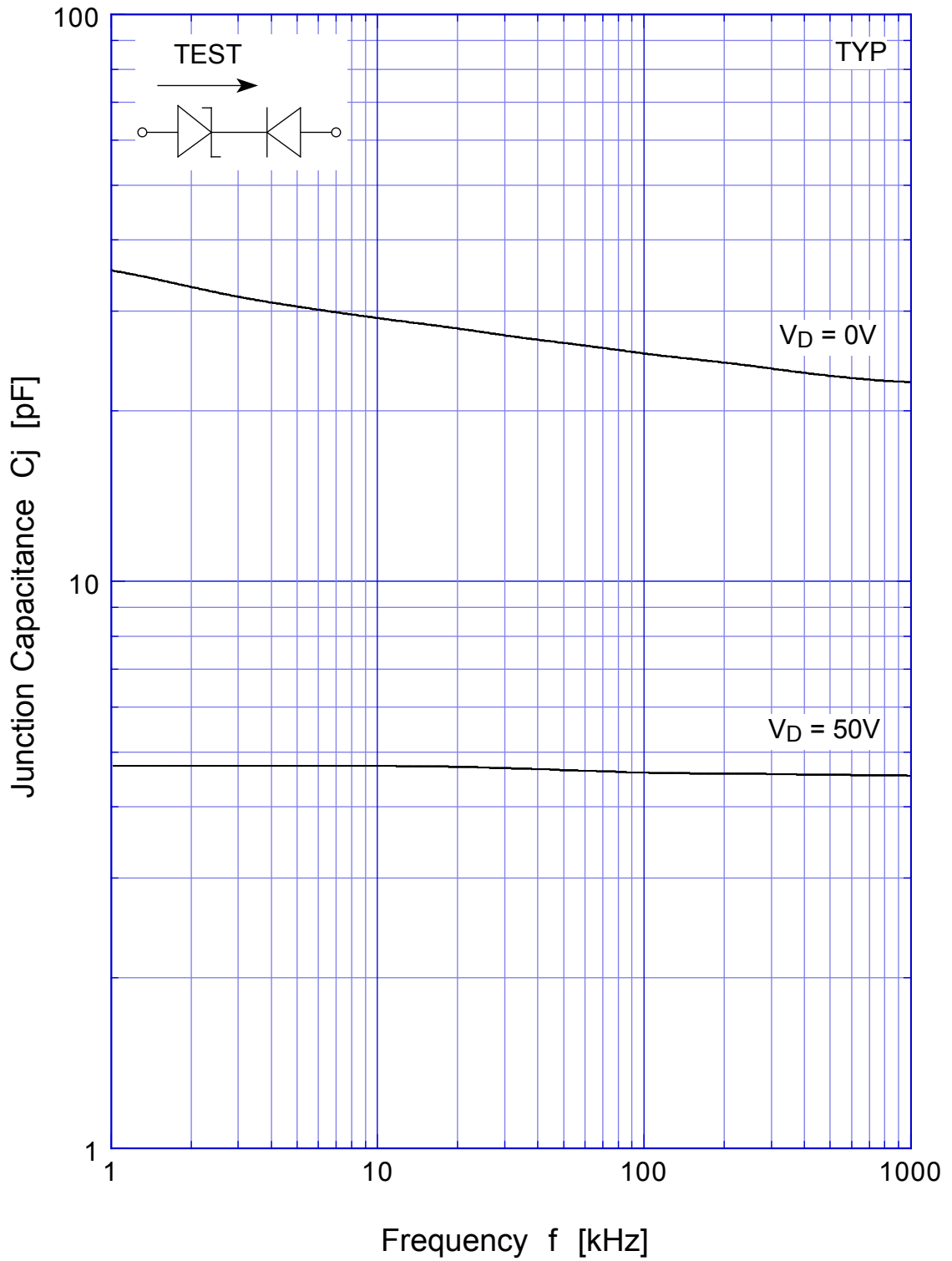
Peak Surge Reverse Power



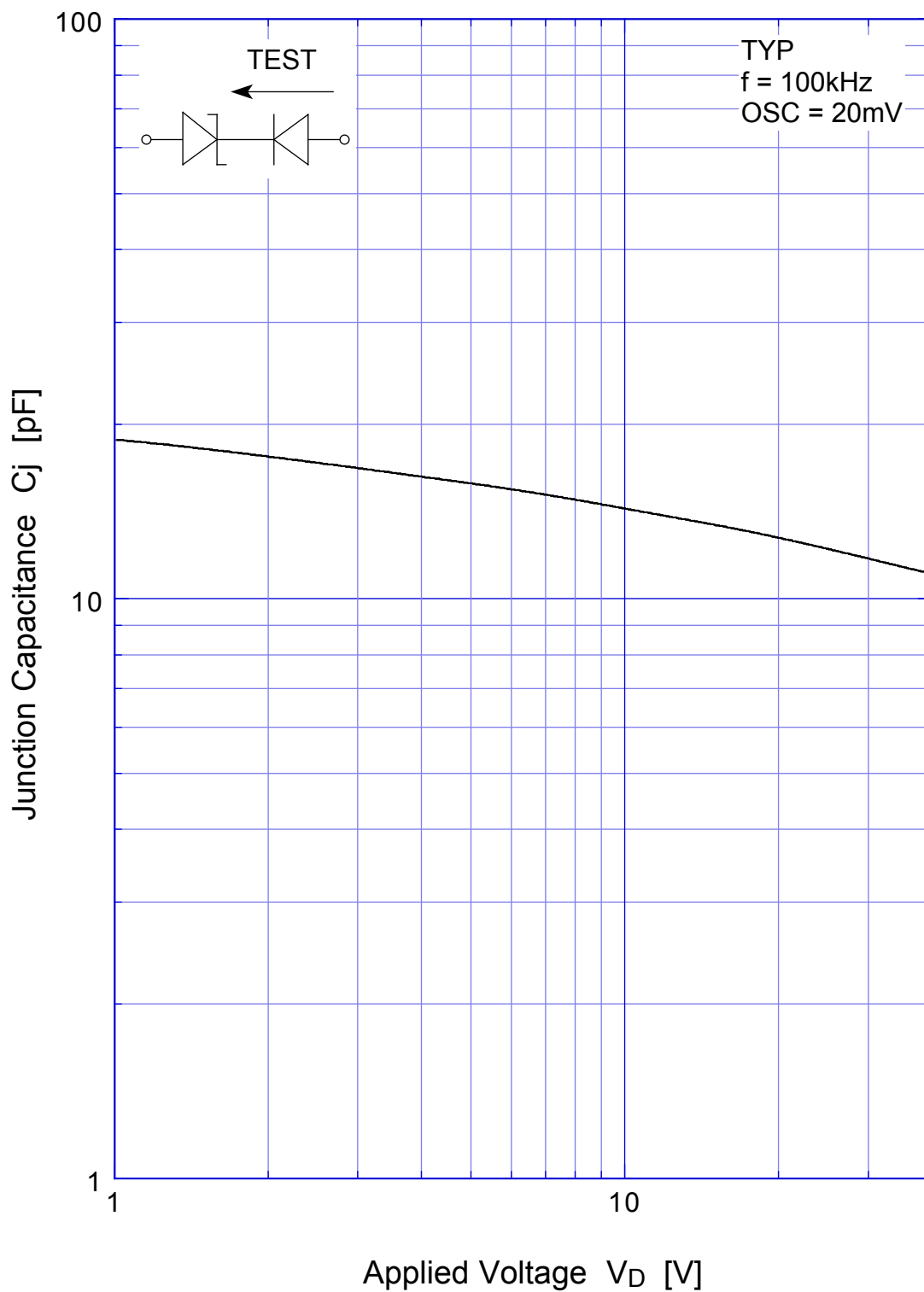
ST02D-170 Junction Capacitance



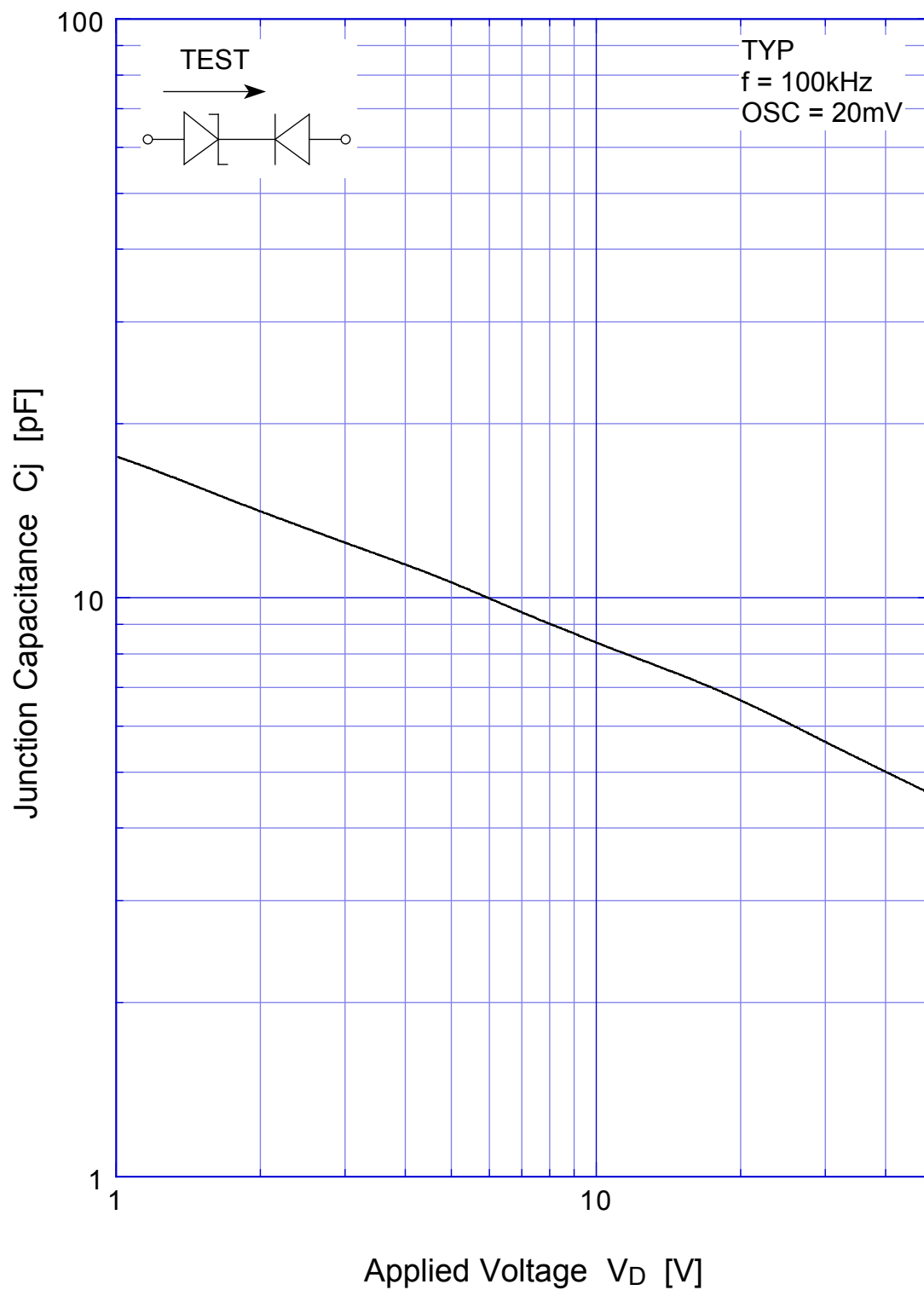
ST02D-170 Junction Capacitance



ST02D-170 Junction Capacitance



ST02D-170 Junction Capacitance



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