

SHINDENGEN

Trankiller

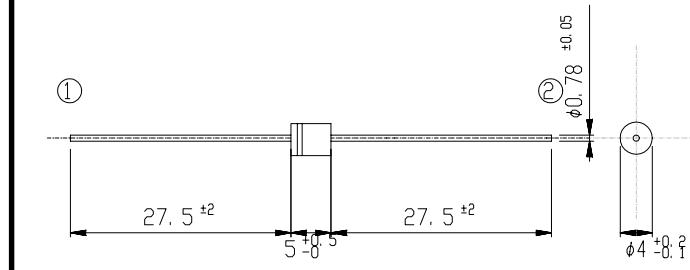
Axial Package

ST02D-82

OUTLINE DIMENSIONS

Case : AX078

(Unit : mm)



① —————— ②

RATINGS

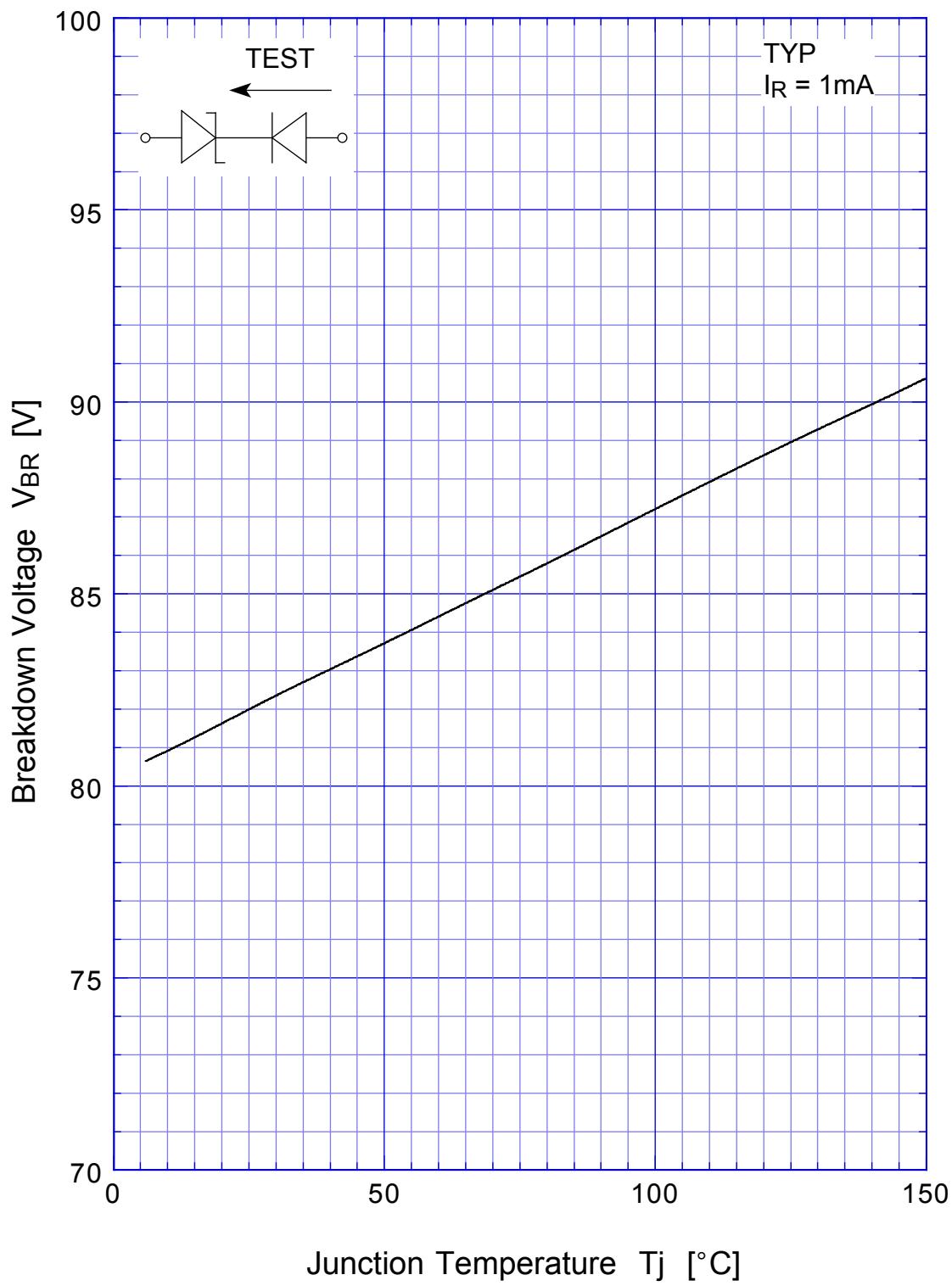
● Absolute Maximum Ratings (TJ=25°C)

Item	Symbol	Conditions	ZD	Di	Unit
Storage Temperature	Tstg		-40~150	-40~150	°C
Junction Temperature	Tj		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	1.7	-	A
Maximum Reverse Voltage	V _{RM}		67	600	V

● Electrical Characteristics (TJ=25°C)

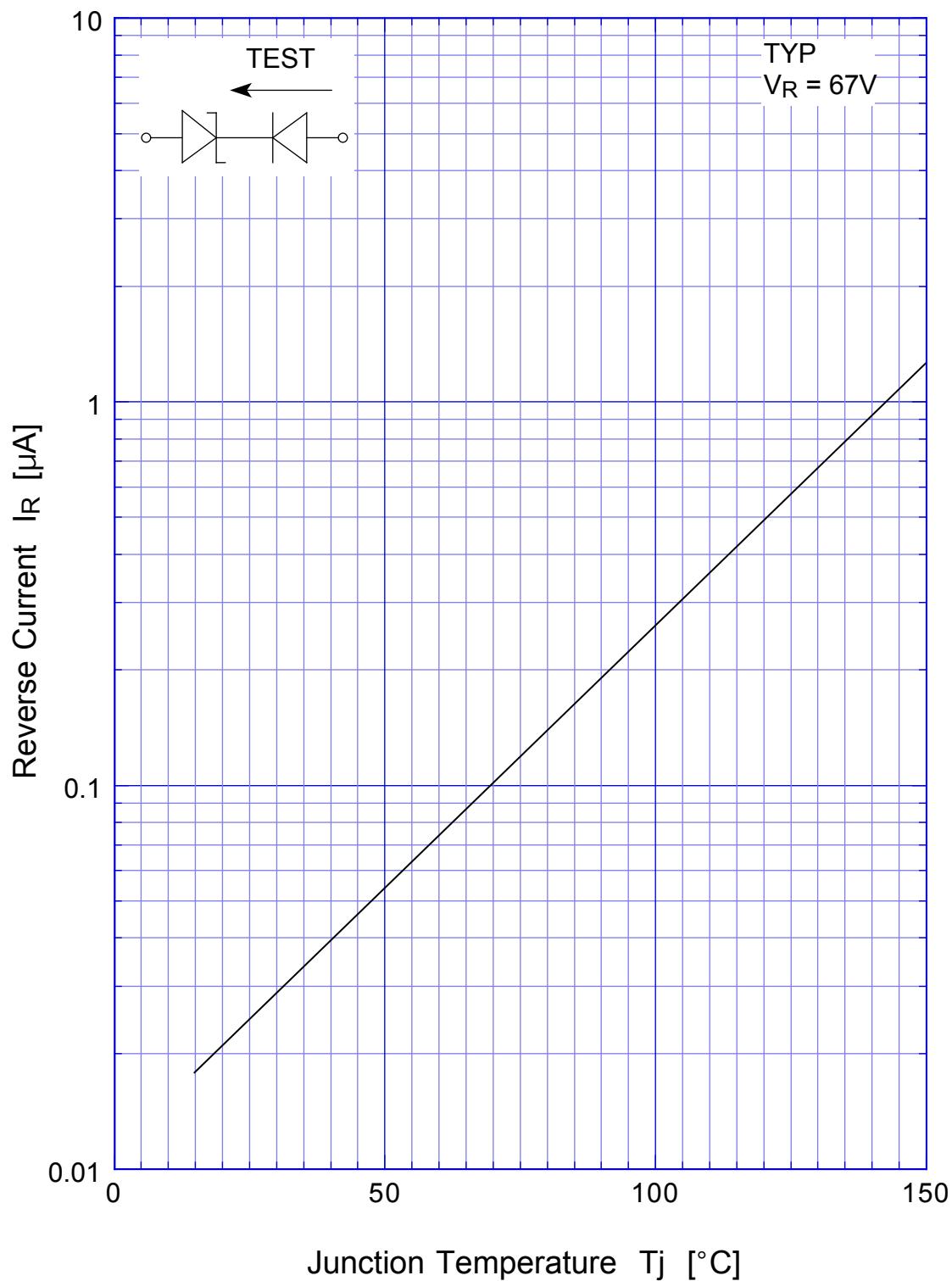
Item	Symbol	Conditions	ZD	Di	Unit
Movement Start Voltage	V _{BR}	I _R = 1mA	MIN 74 TYP 82 MAX 90	-	V
Restriction Voltage	V _{CL}	I _{PP} = 1.7A	MAX 118	-	V
Leak Current	I _R	V _R = V _{RM}	MAX 5	MAX 5	μ A
Reverse Recovery Time	trr	I _F /I _R =0.1A/0.3A	-	MAX 500	ns
Thermal Resistance	θ _{jl}	Junction to lead	MAX 17	MAX 17	°C/W

ST02D-82 Breakdown Voltage



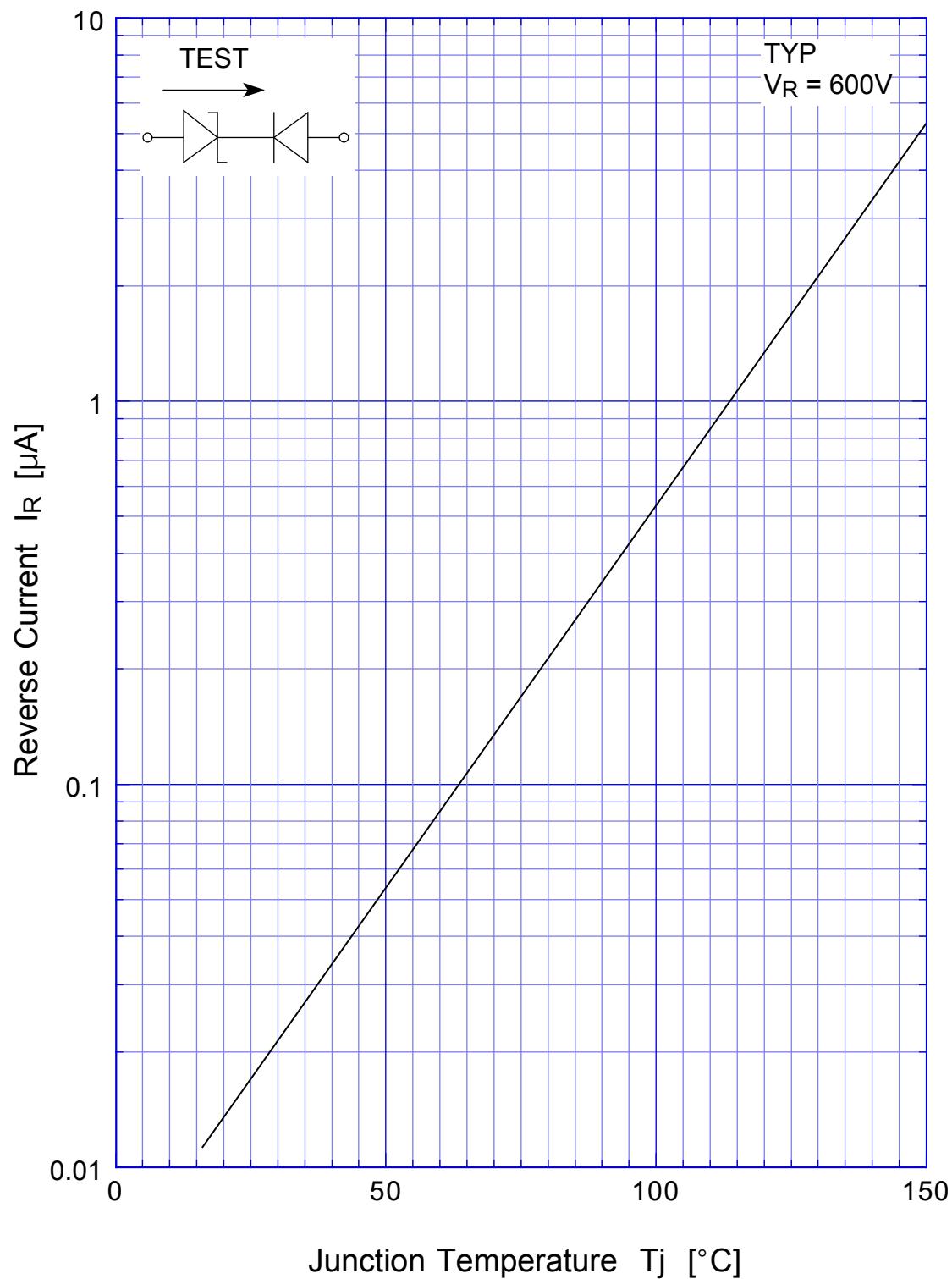
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Reverse Current



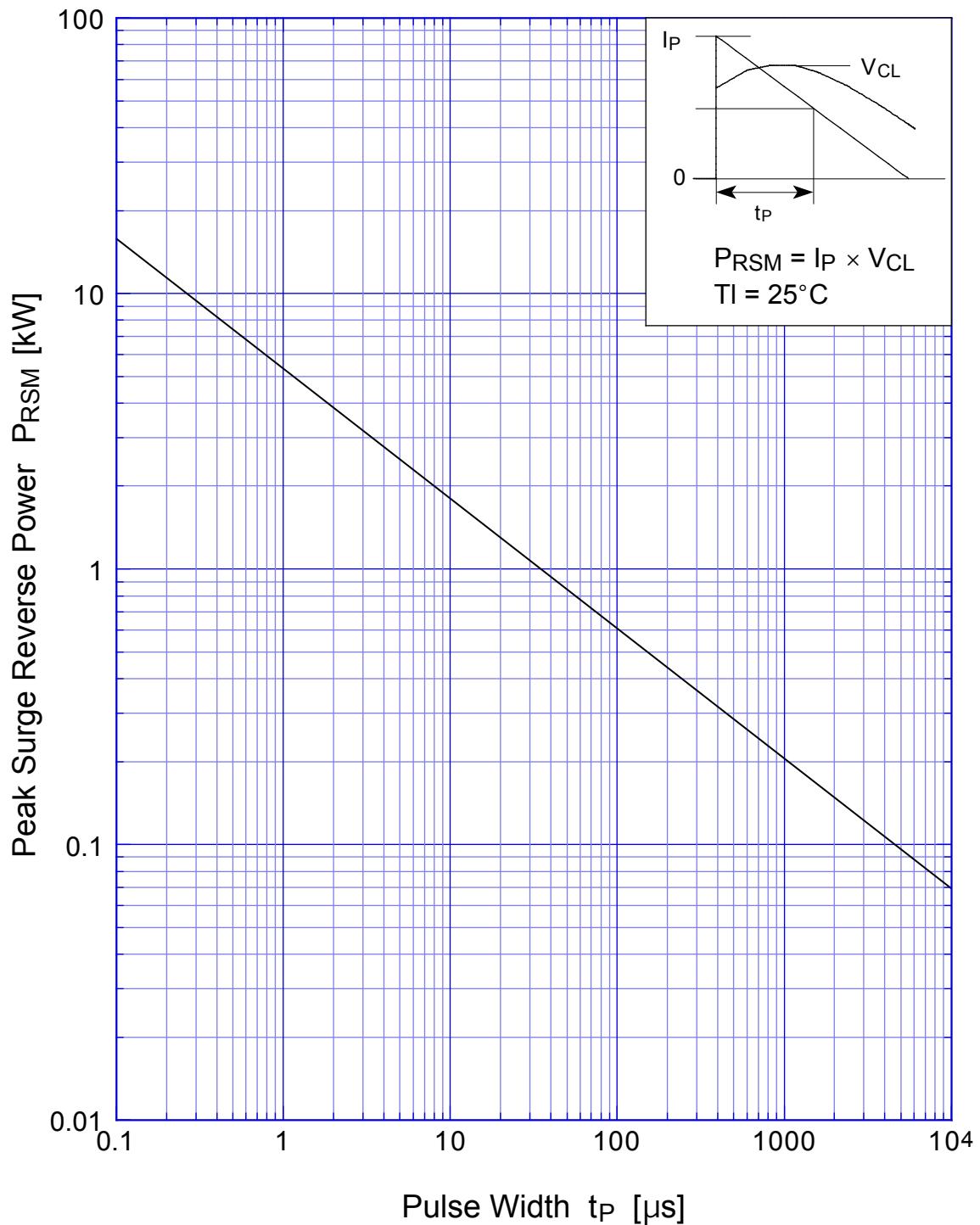
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Reverse Current

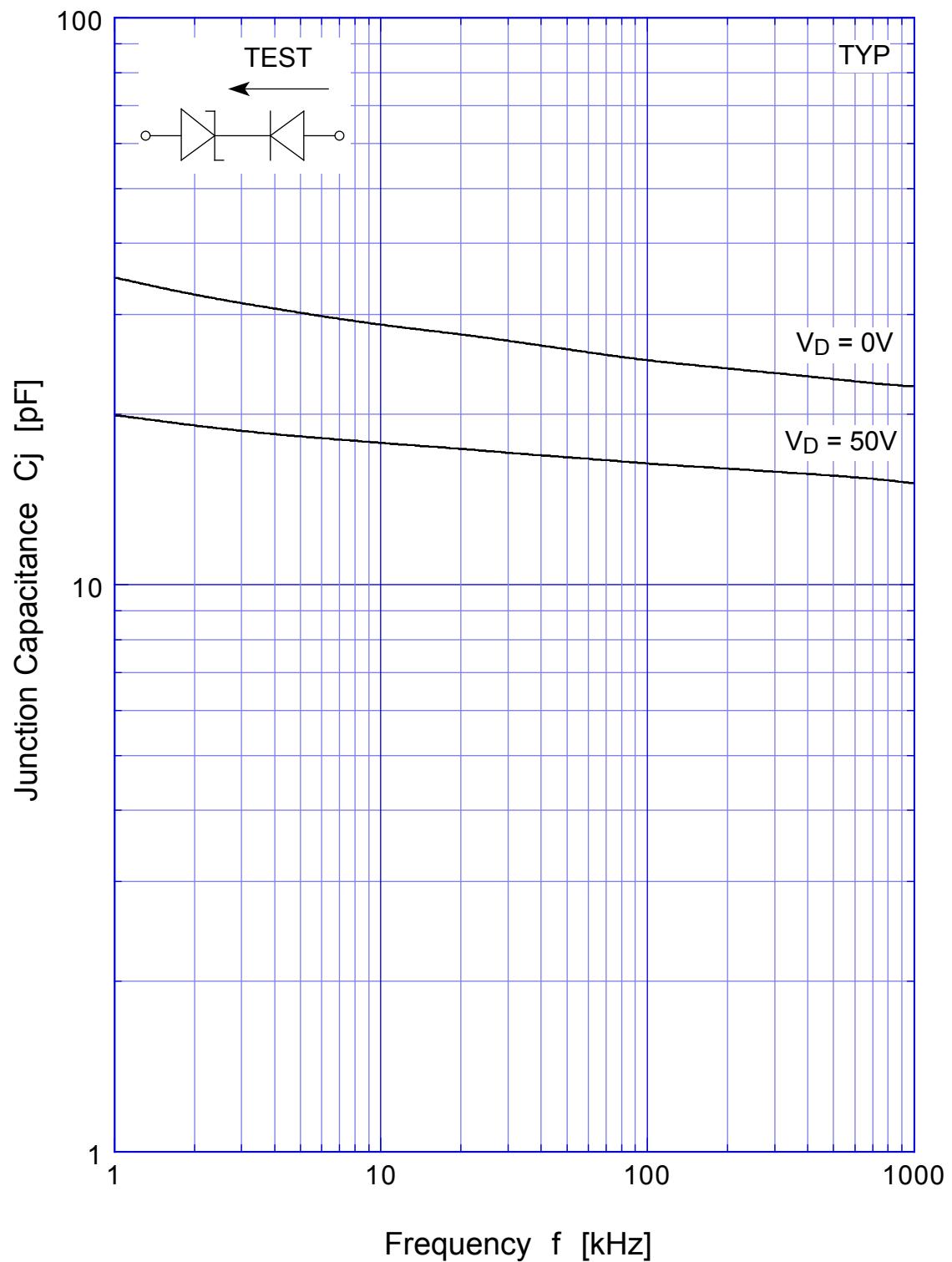


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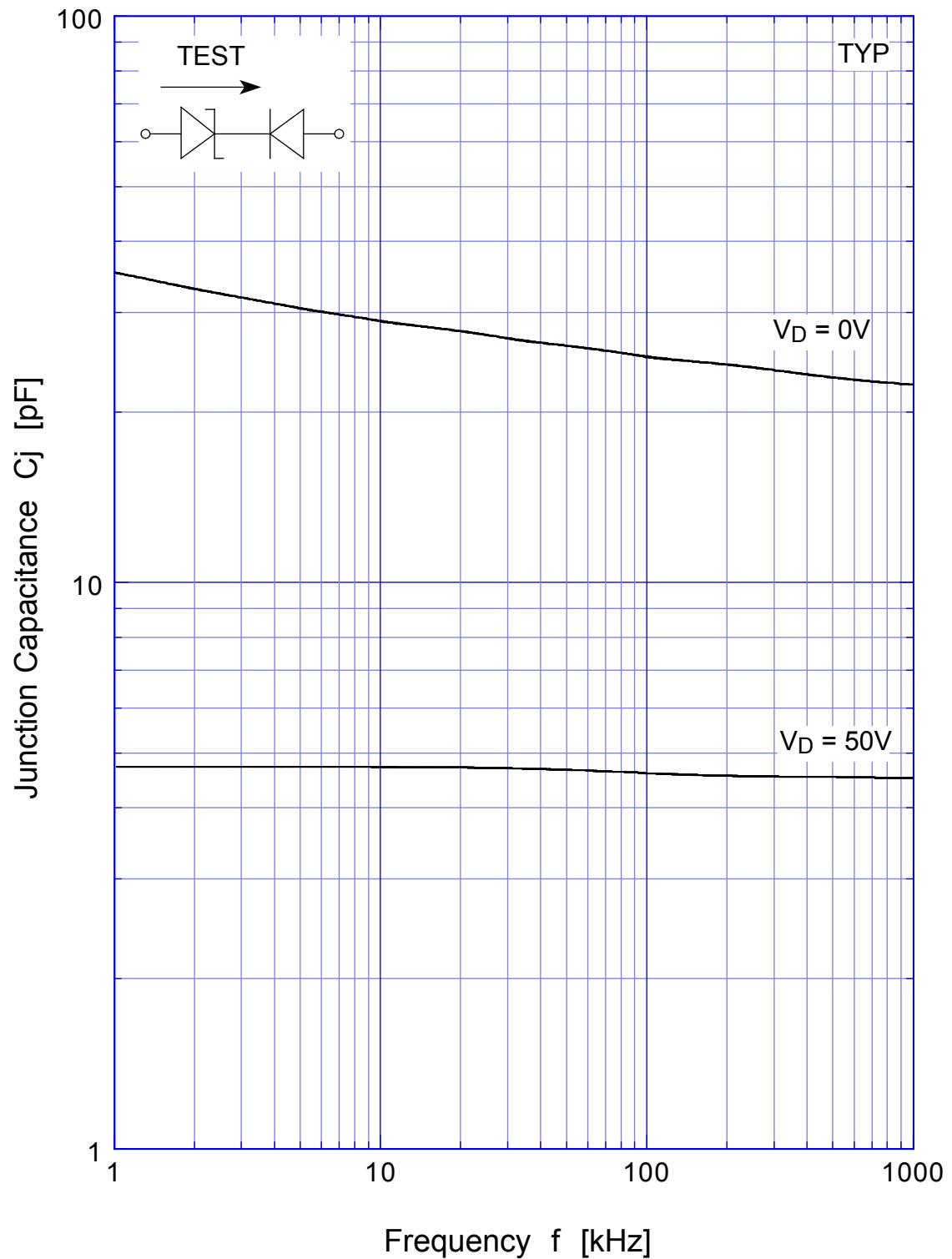
Peak Surge Reverse Power



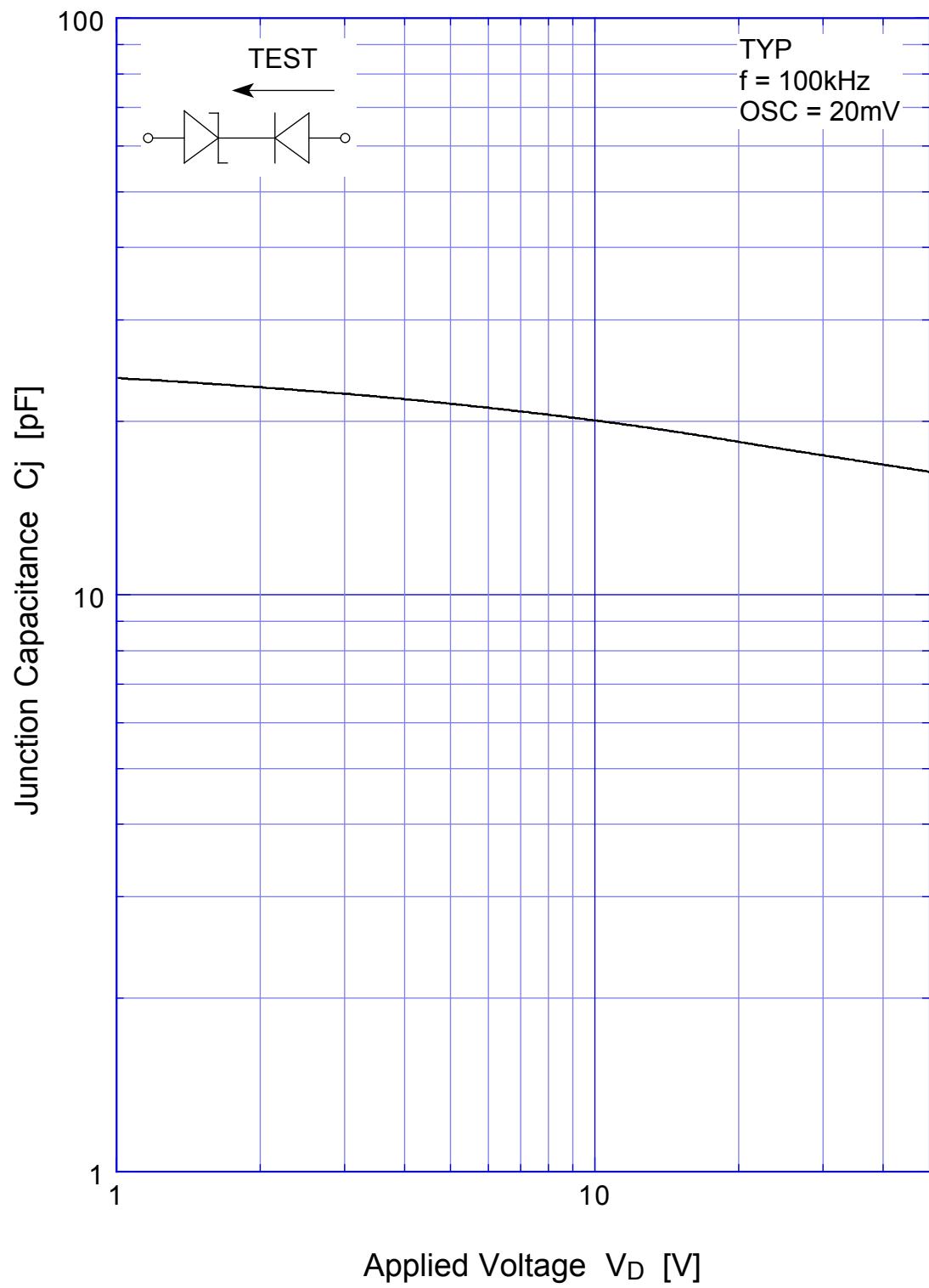
ST02D-82 Junction Capacitance



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