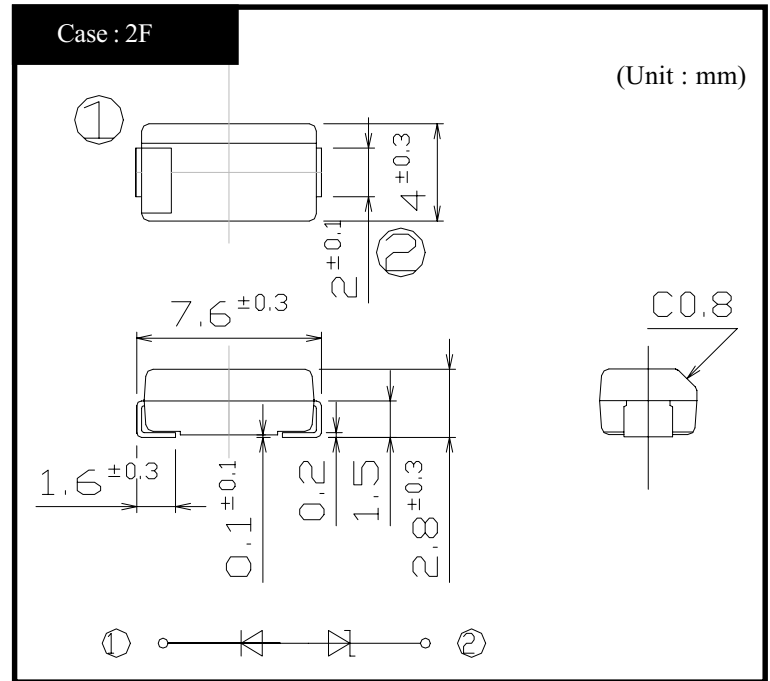


ST02D-170F2

OUTLINE DIMENSIONS



RATINGS

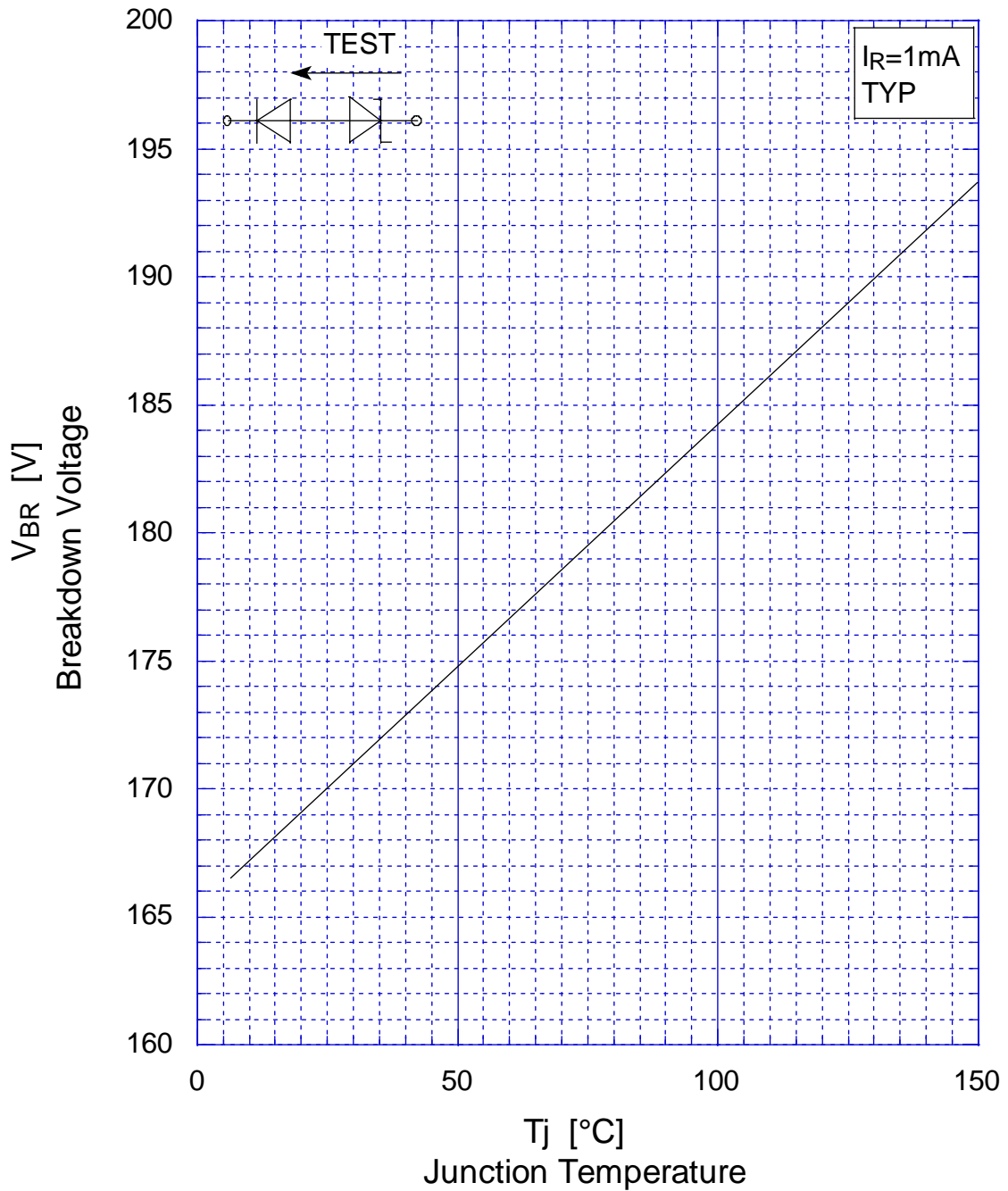
● Absolute Maximum Ratings (If not specified, Tl=25°C)

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	0.75	-	A
Maximum Reverse Voltage	V _{RM}		145	600	V

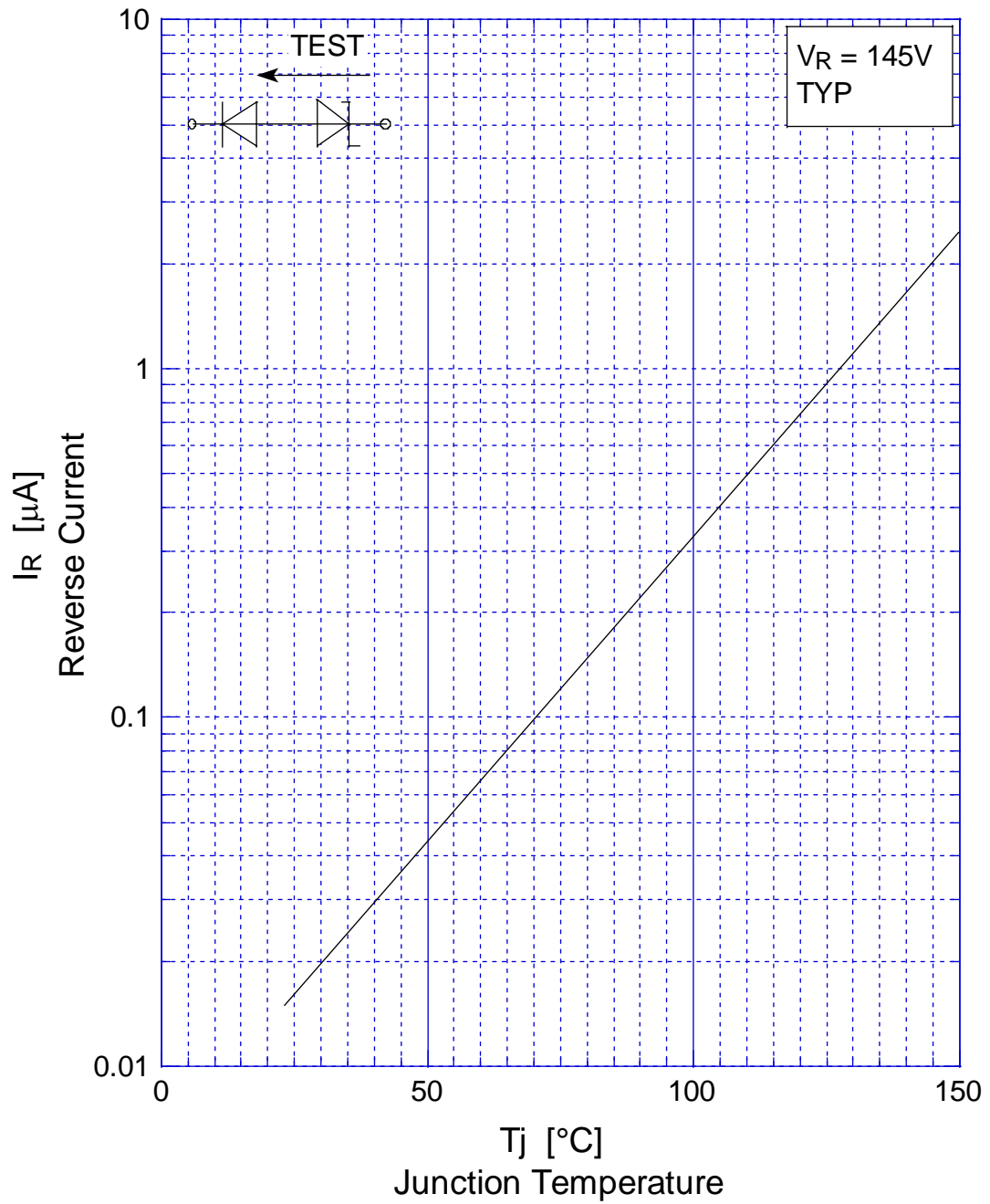
● Electrical Characteristics (If not specified, Tl=25°C)

Item	Symbol	Conditions	ZD	Di	Unit
Movement Start Voltage	V _{BR}	I _R = 1mA	MIN 155.0 STD 170.0 MAX 185.0	-	V
Restriction Voltage	V _{CL}	I _{PP} = 0.75A	MAX 280	-	V
Leak Current	I _R	V _R = 145V	MAX 5.0	-	μ A
		V _R = 600V	-	MAX 5.0	
Reverse Recovery Time	t _{rr}	I _F /I _R =0.1A/0.3A	-	MAX 500	ns
Thermal Resistance	θ _{jl}	Junction to lead	MAX 24	MAX 24	°C/W

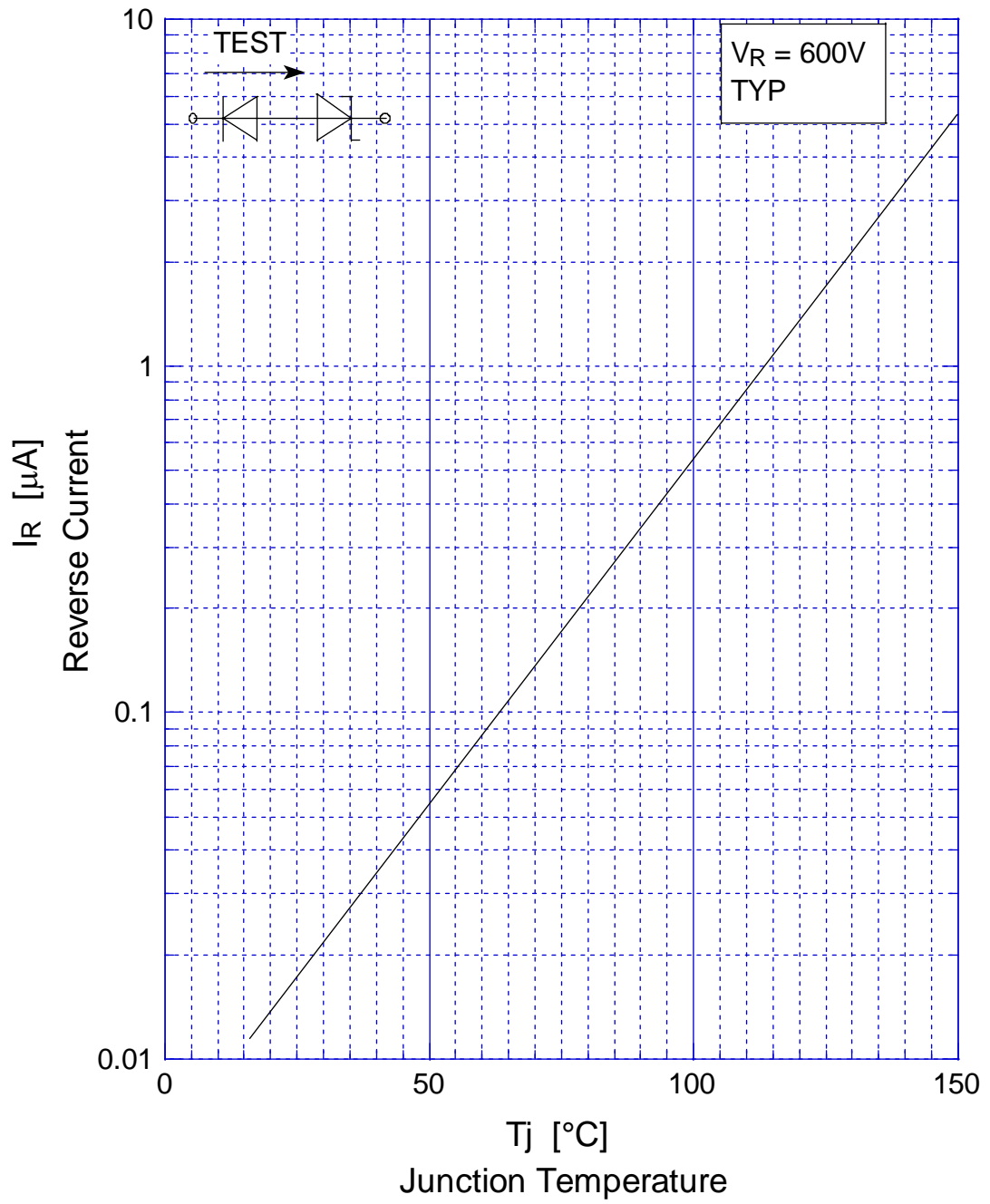
ST02D-170F2 Breakdown Voltage - Junction Temperature



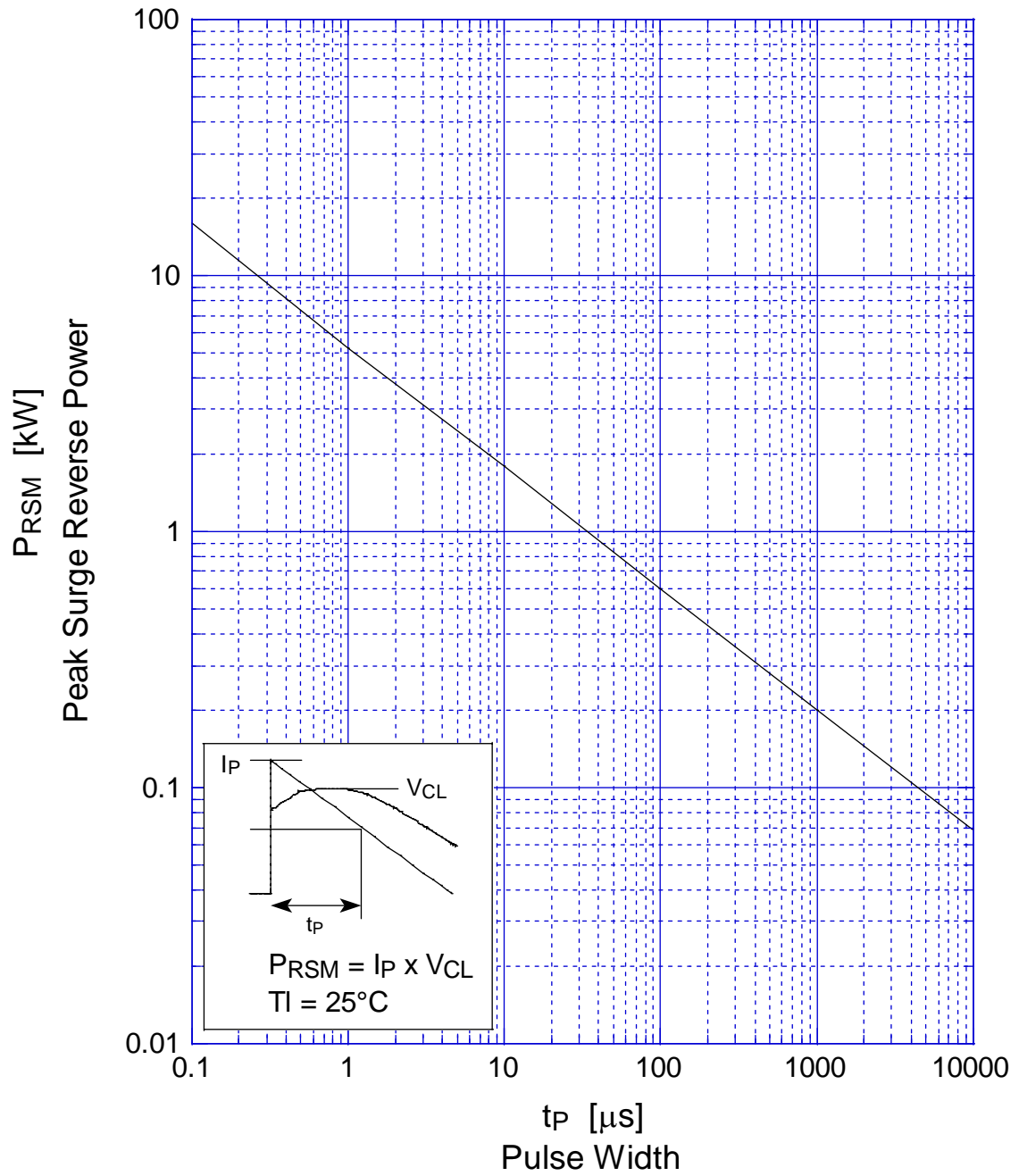
ST02D-170F2 Reverse Current - Junction Temperature



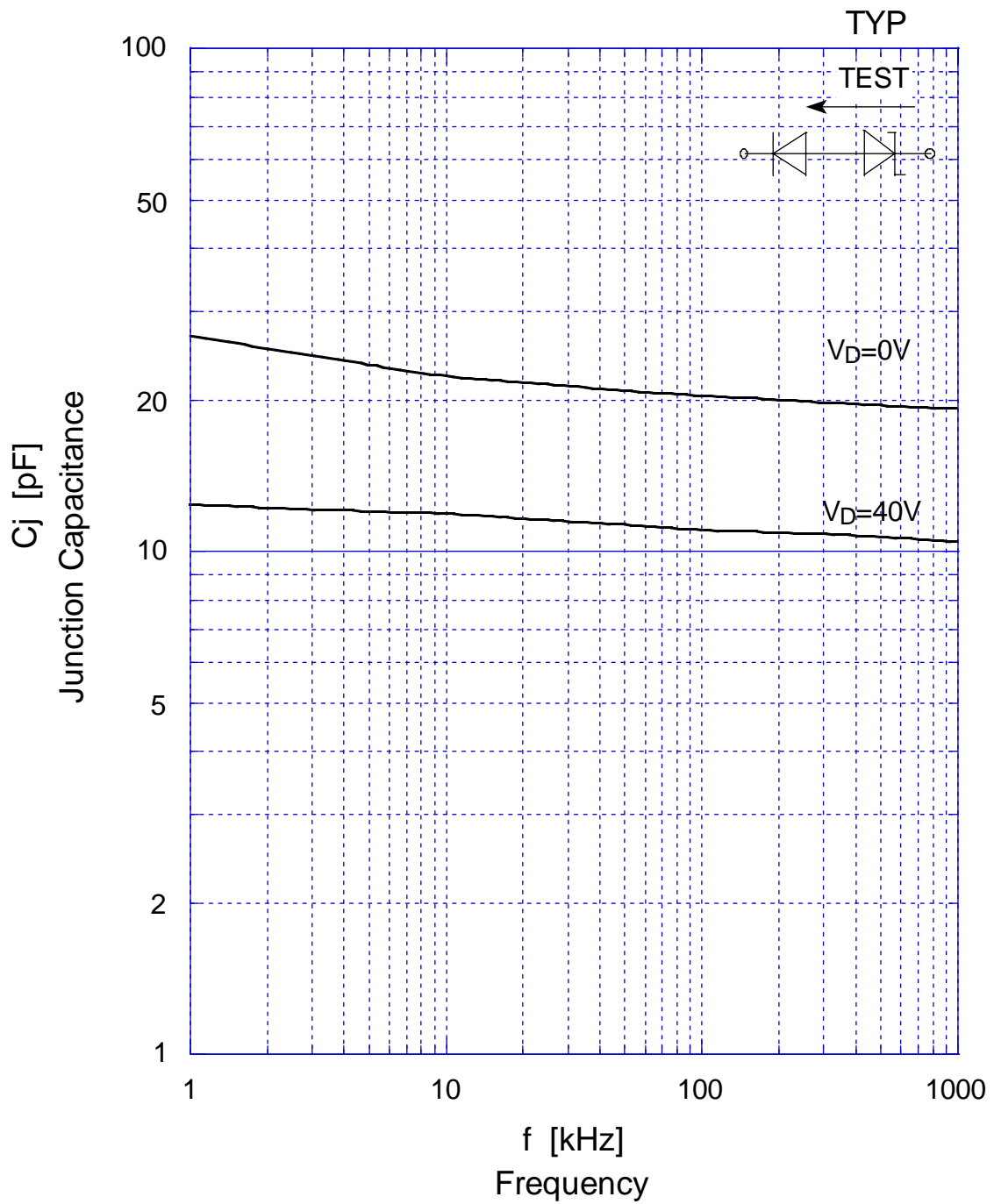
ST02D-170F2 Reverse Current - Junction Temperature



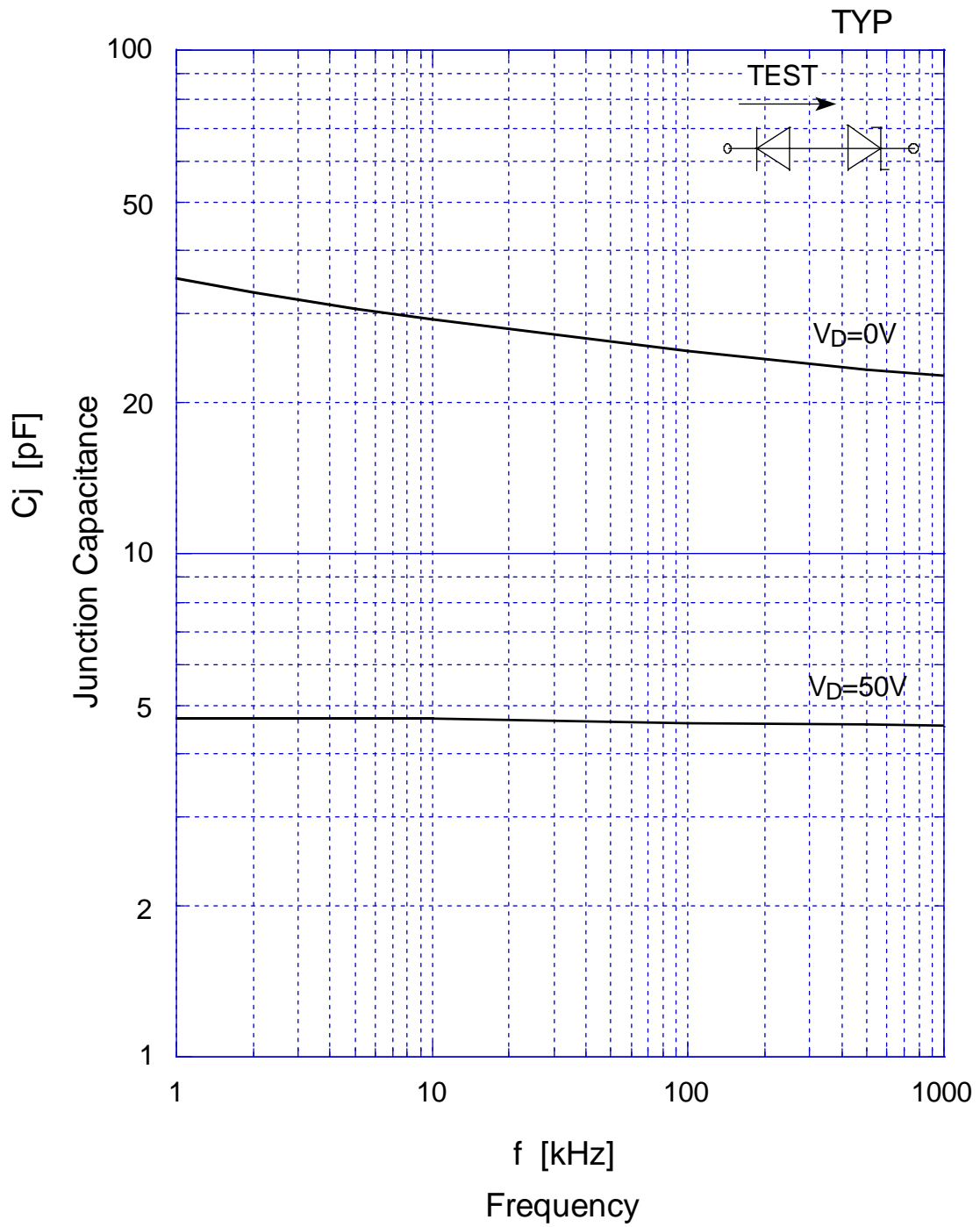
ST02D-170F2 Peak Surge Reverse Power



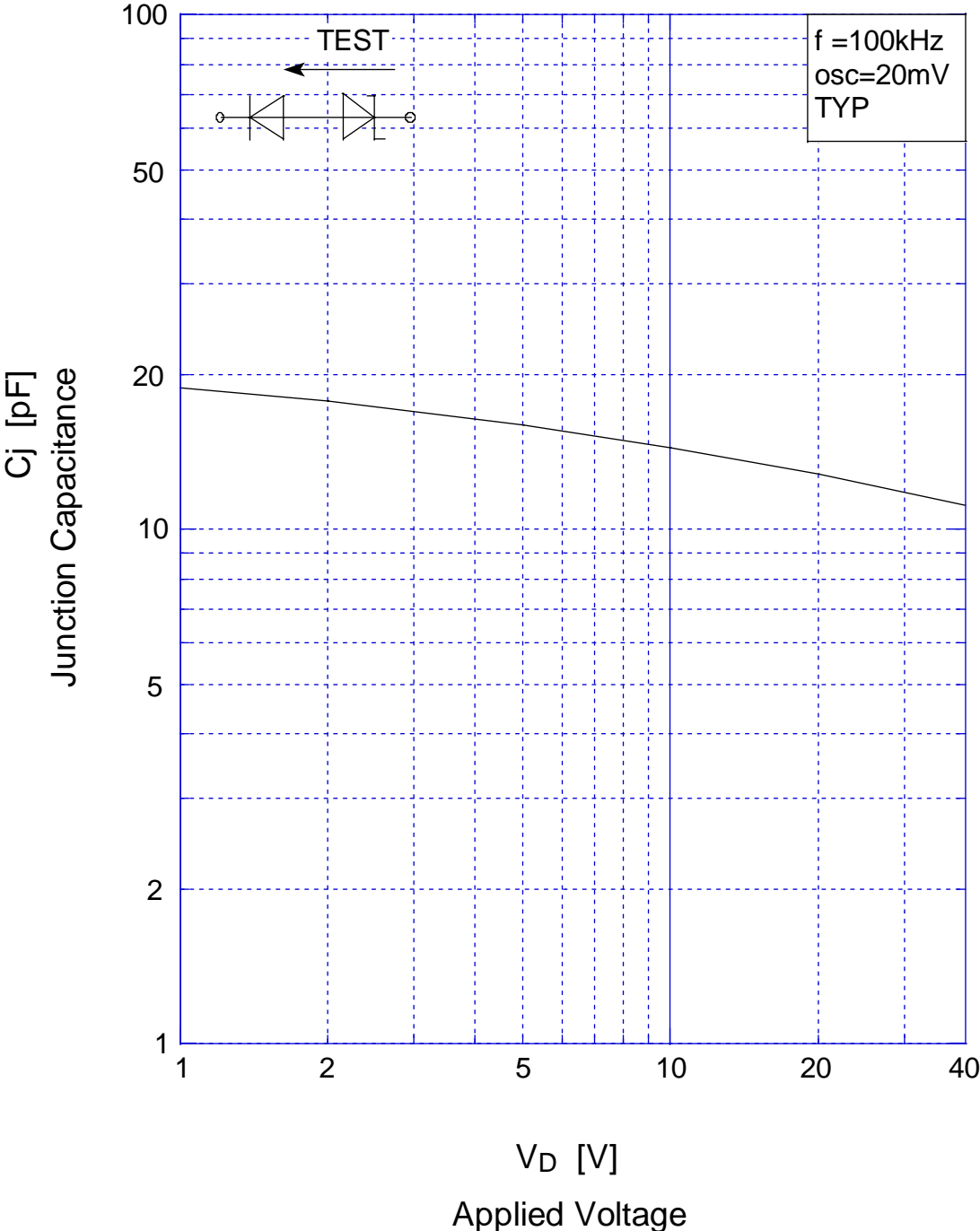
ST02D-170F2 Junction Capacitance - Frequency



ST02D-170F2 Junction Capacitance - Frequency



ST02D-170F2 Junction Capacitance - Applied Voltage



ST02D-170F2 Junction Capacitance - Applied Voltage

