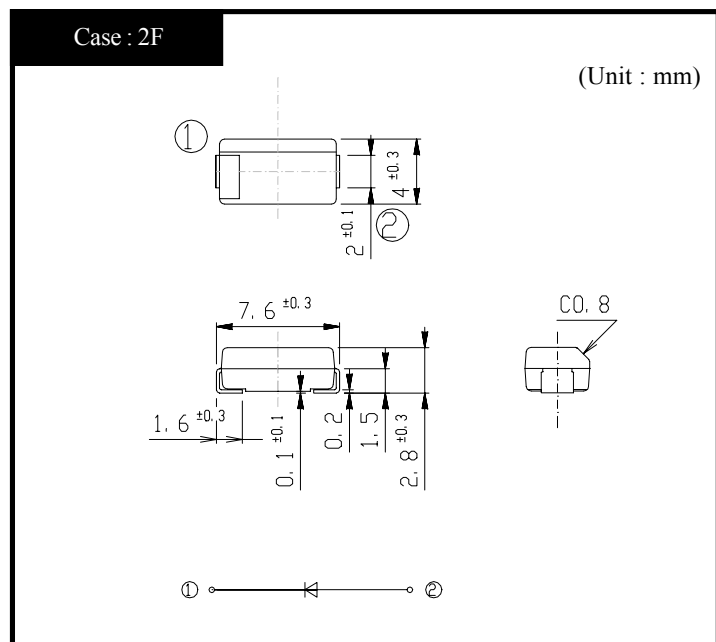


KP15R25

OUTLINE DIMENSIONS



RATINGS

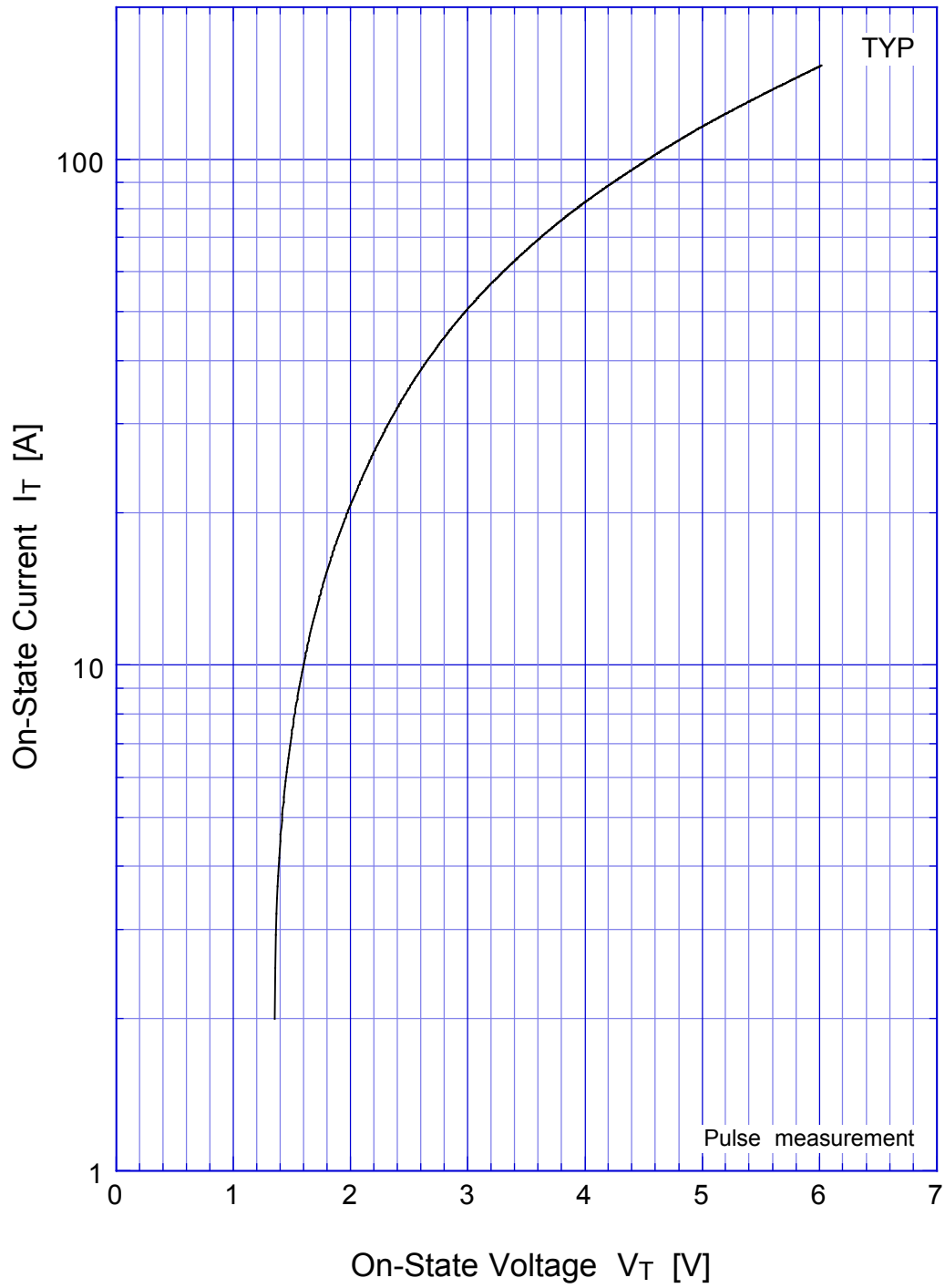
● Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T_{stg}		-40~125	°C
Junction Temperature	T_j		125	°C
Maximum Off-State Voltage	V_{DRM}		190	V
Surge On-State Current	I_{TSM}	10/1000 μ s, Non-repetitive	150	A
		10/200 μ s, Non-repetitive	200	
		8/20 μ s, Non-repetitive	300	

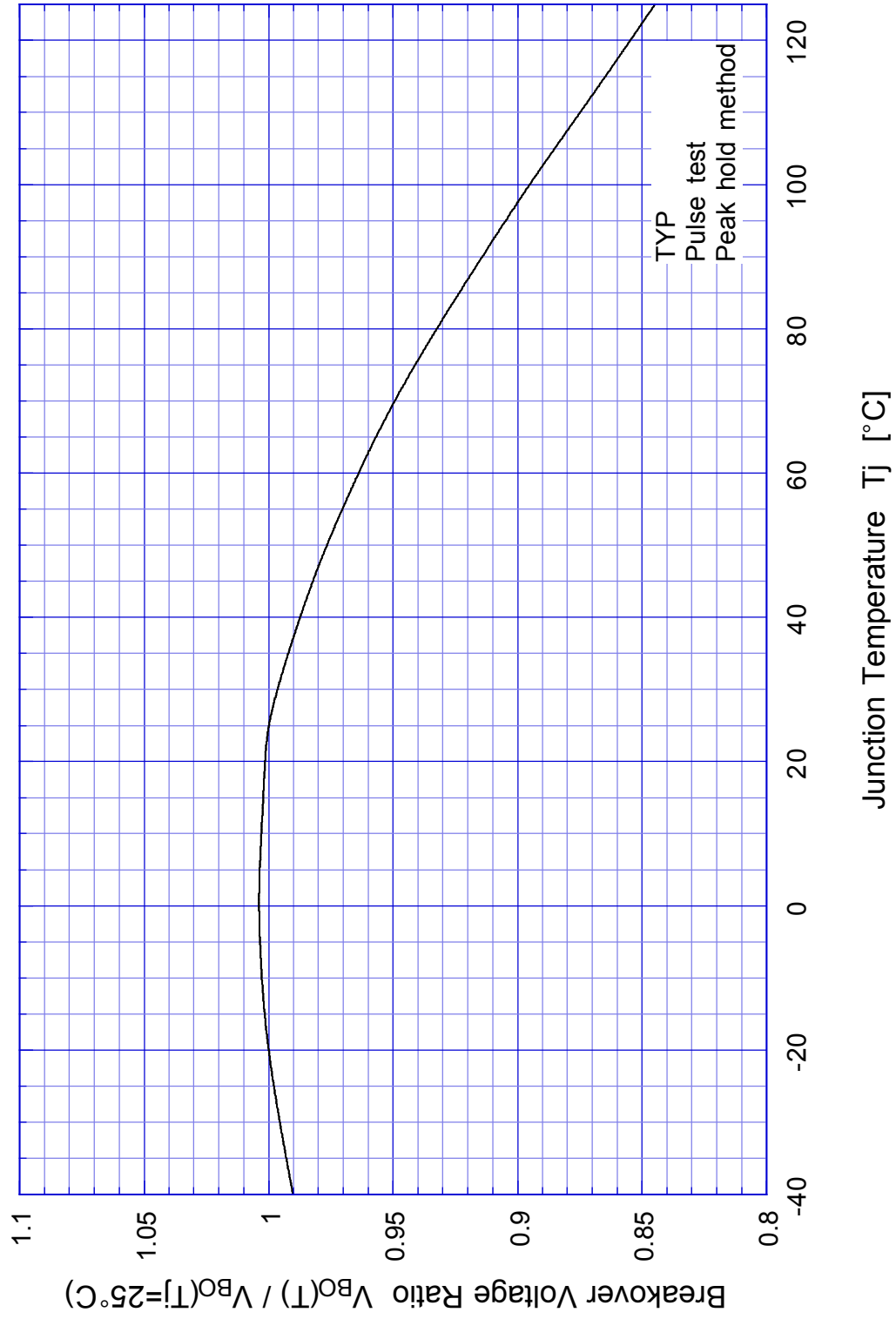
● Electrical Characteristics (Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V_{BO}	Pulse measurement (Peak hold)	Min 220	V
Off-State Current	I_{DRM}	$V_D = V_{DRM}$	Max 10	μ A
Holding Current	I_H	Pulse measurement	Min 100	mA
On-State Voltage	V_T	$I_T = 2A$	TYP 1.35	V
Junction Capacitance	C_j	f = 1kHz OSC = 1V, $V_D = 50V$	Max 150	pF
Clamping Voltage	V_{CL}	dv/dt = 100V/ μ s	Max 290	V

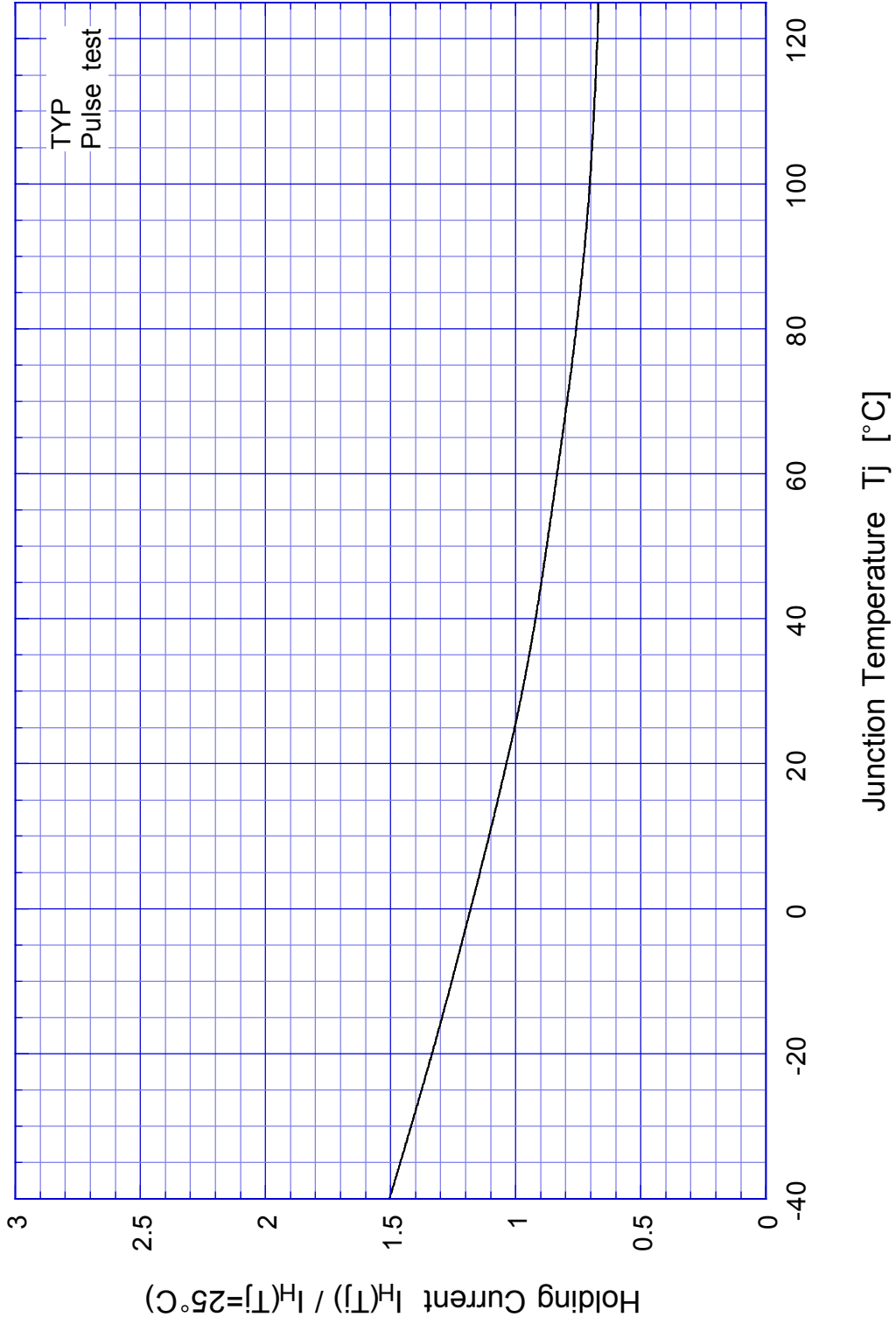
KP15R25 On-State Voltage - On-State Current



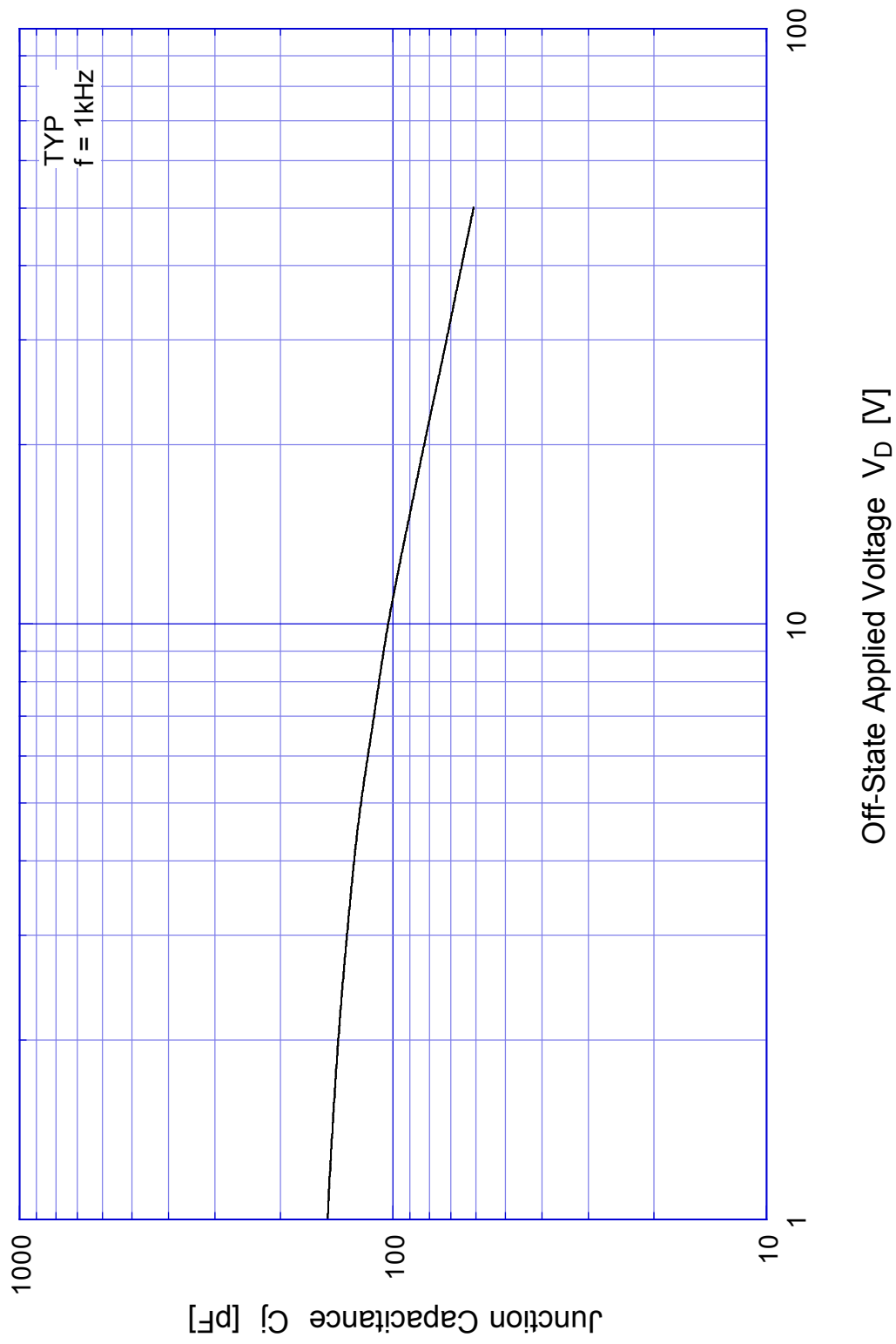
KP15R25 Breakover Voltage - Junction Temperature



KP15R25 Holding Current - Junction Temperature



KP15R25 Junction Capacitance



KP15R25 Junction Capacitance

