SHINDENGEN

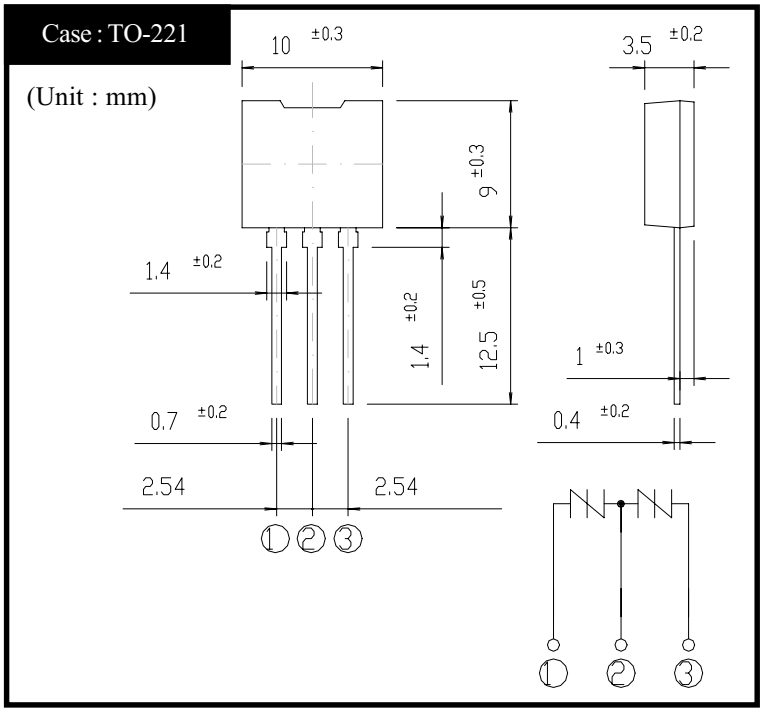
TSS KT Series

KT10R25

OUTLINE DIMENSIONS

Case : TO-221

(Unit : mm)



RATINGS

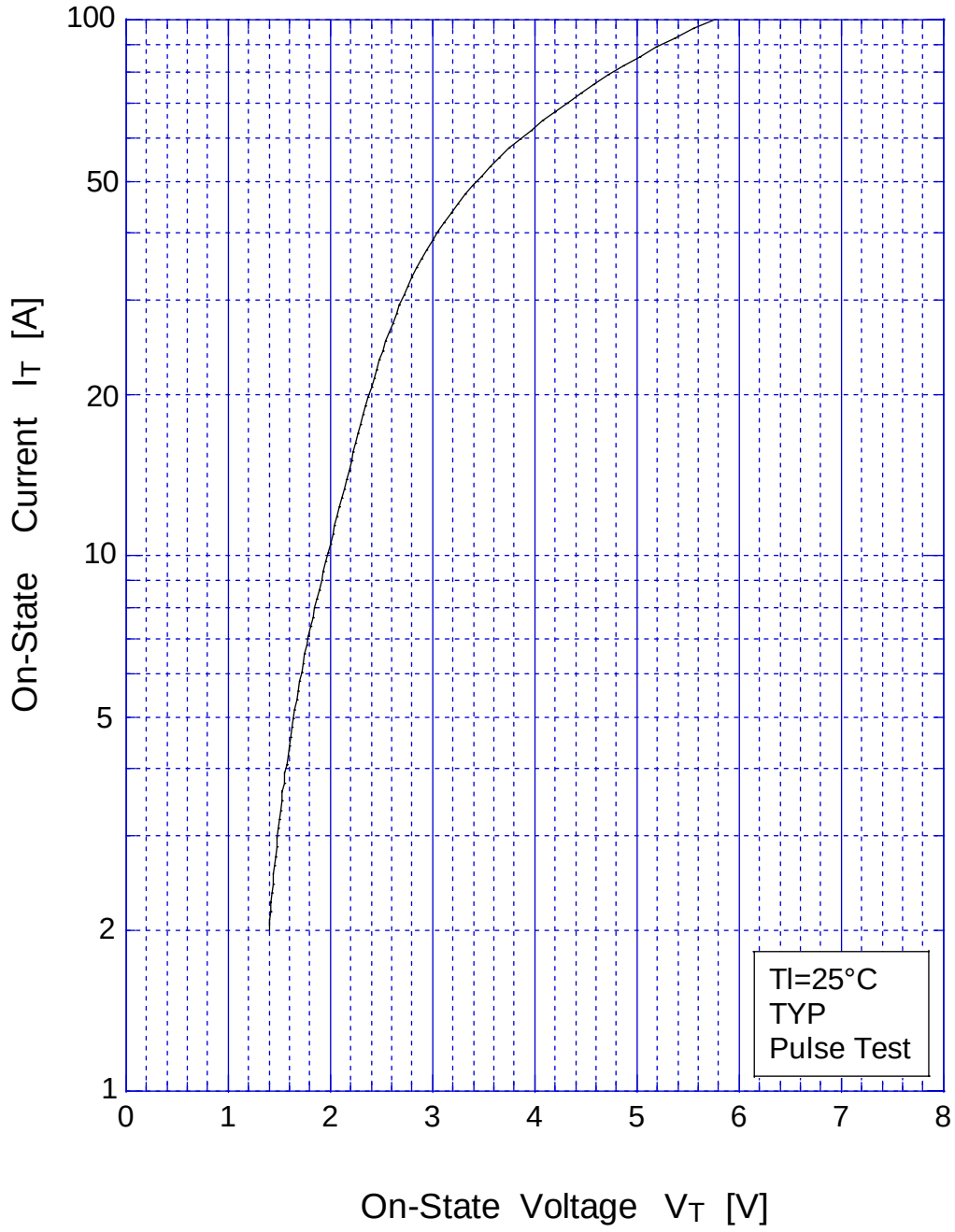
●Absolute Maximum Ratings (If not specified, Tl=25℃)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		−40～125	℃
Junction Temperature	Tj		125	℃
Maximum Off-State Voltage	V_{DRM}		190	V
Surge On-State Current	I_{TSM}	10/1000 μ s, Non-repetitive	100	A

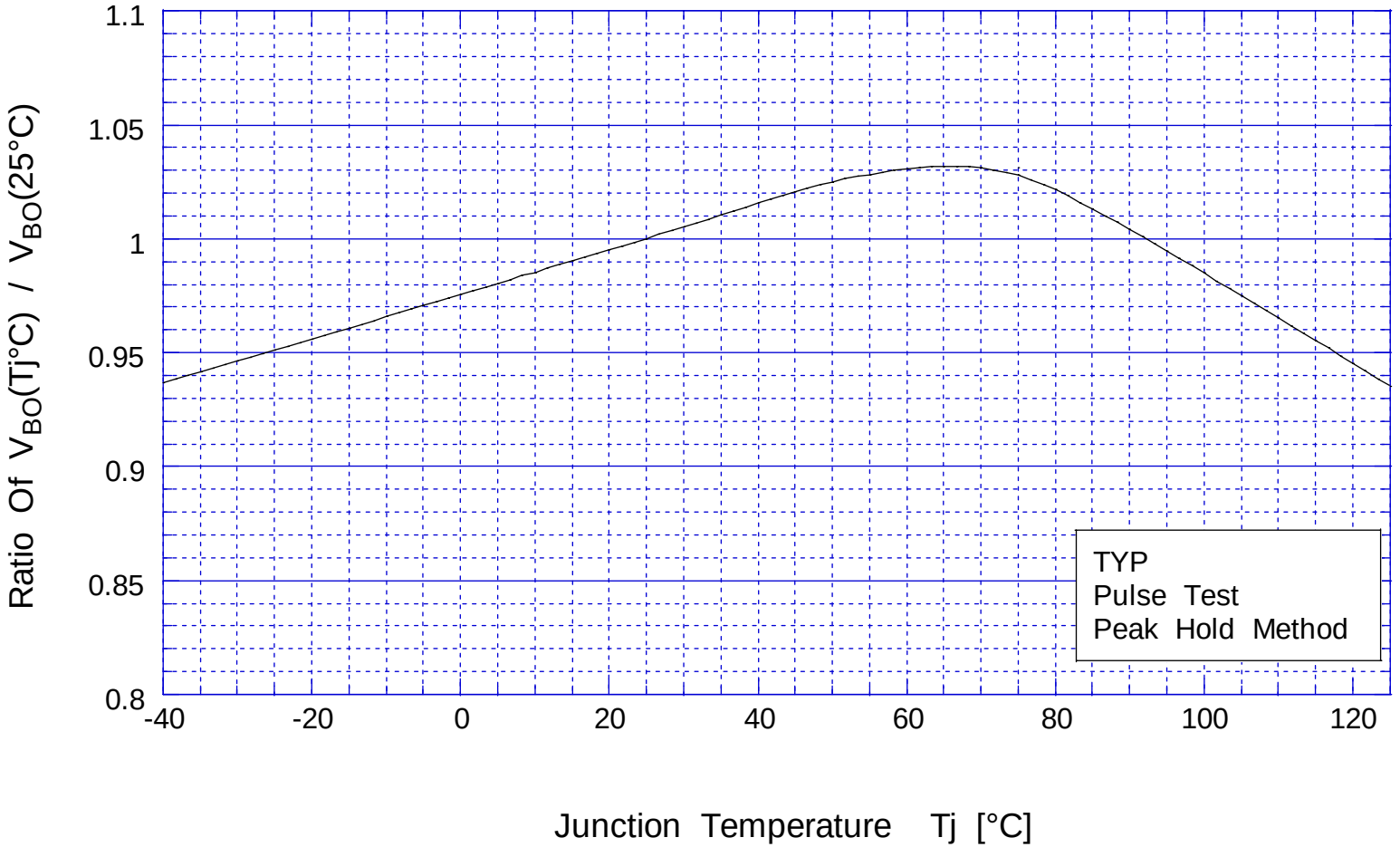
●Electrical Characteristics (If not specified, Tl=25℃)

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 1.4	V
Junction Capacitance	Cj	f = 1kHz, VD = 50VDC OSC = 1Vrms	Max 90	pF
Clamping Voltage	V_{CL}	dv/dt = 100V/ μ s	Max 290	V

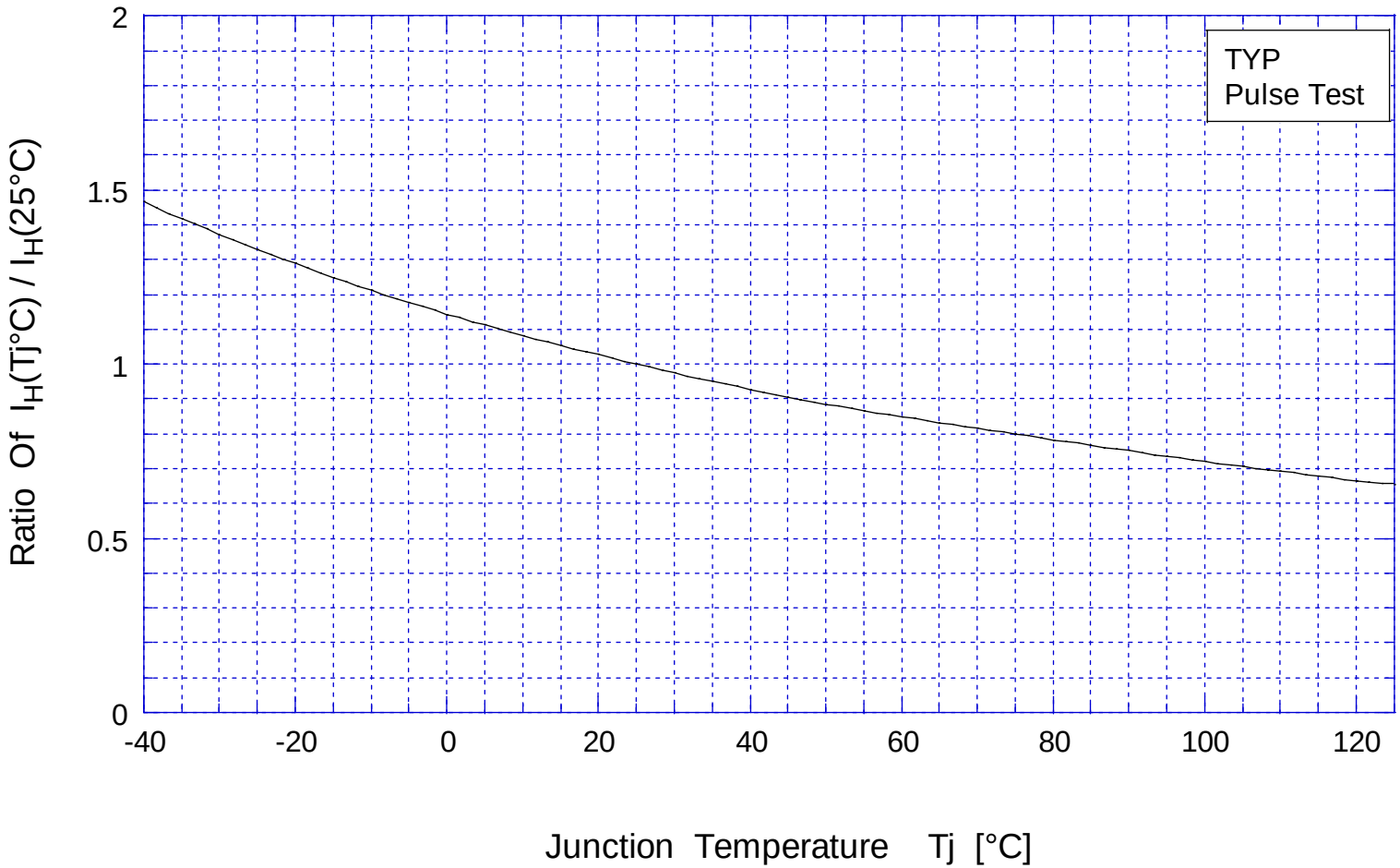
KT10R25 On-State Voltage vs On-State Current



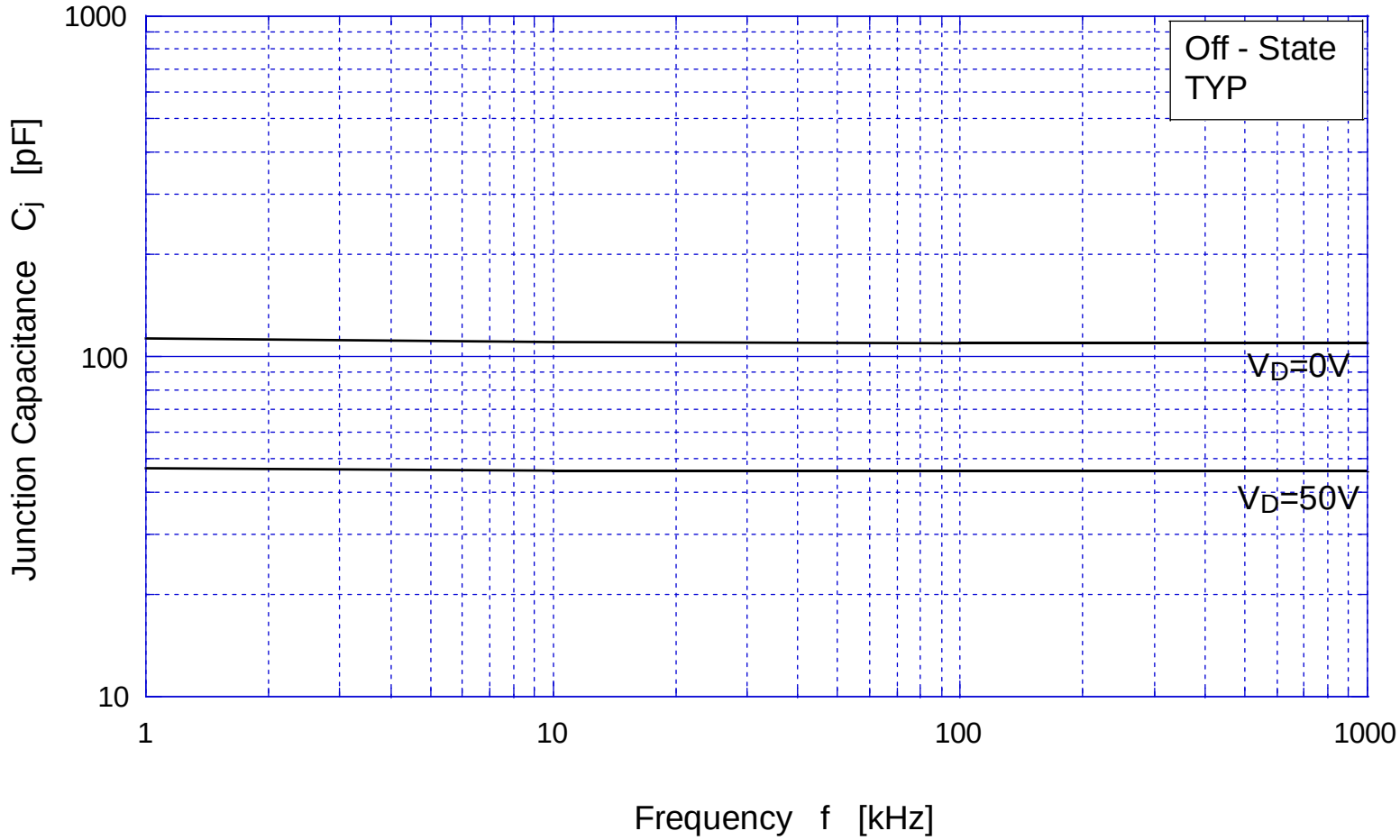
KT10R25 Break Over Voltage vs Junction Temperature



KT10R25 Holding Current vs Junction Temperature



KT10R25 Junction Capacitance



KT10R25 Junction Capacitance