SHINDENGEN

TSS KU Series

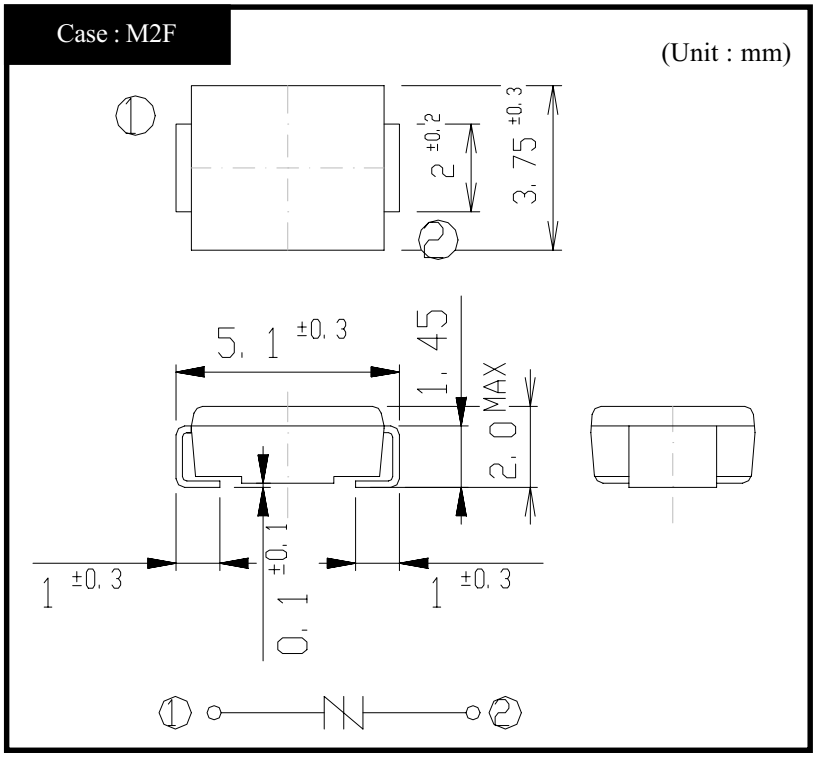
SMT

KU10N14

OUTLINE DIMENSIONS

Case : M2F

(Unit : mm)



RATINGS

●Absolute Maximum Ratings (Unless otherwise specified, Tc=25℃)

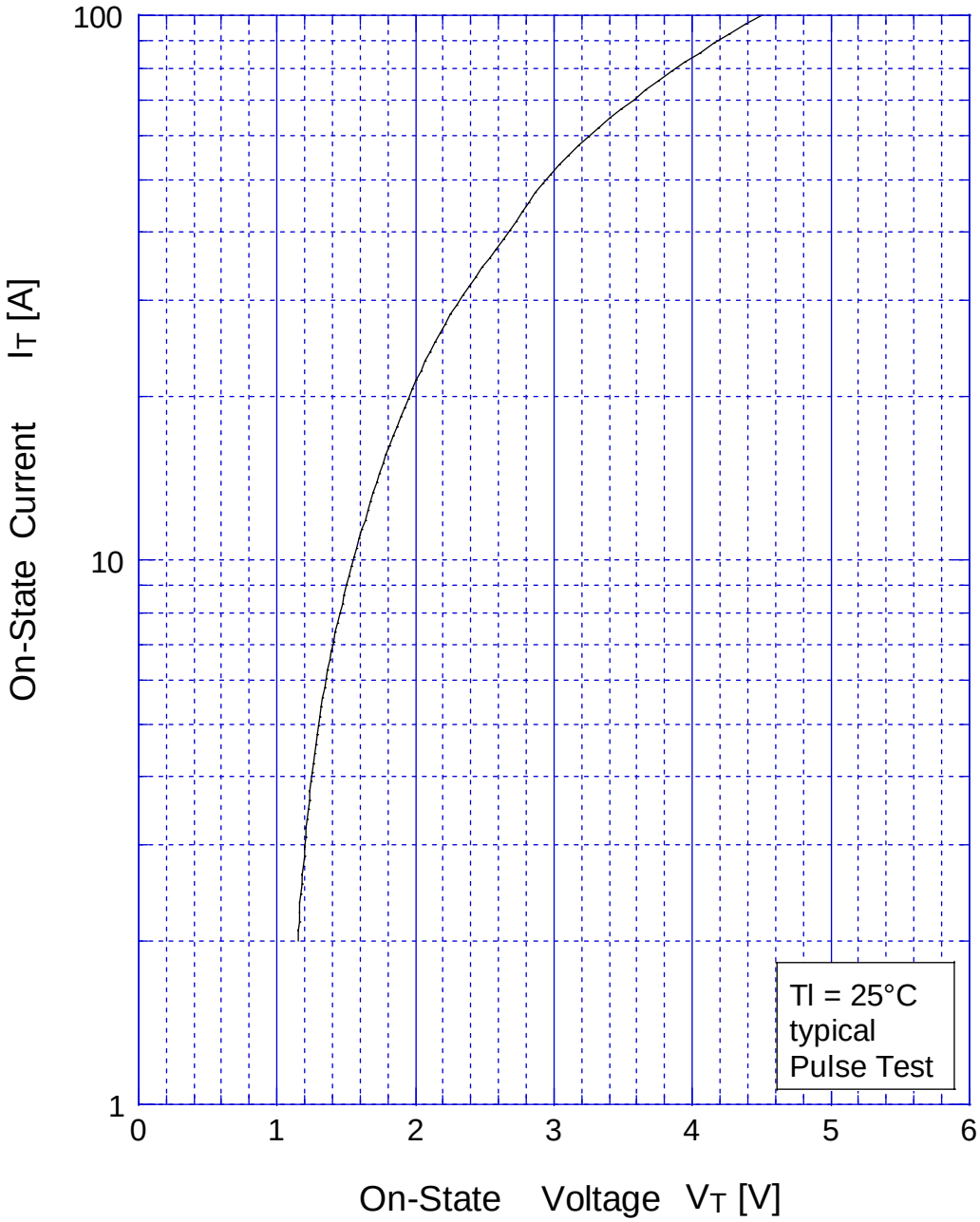
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40～125	℃
Junction Temperature	Tj		125	℃
Maximum Off-State Voltage	V_{DRM}		120	V
Surge On-State Current	I_{TSM}	Pulse-waveform 10/1000 μ s, Non-repetitive	100	A

●Electrical Characteristics (Unless otherwise specified, Tc=25℃)

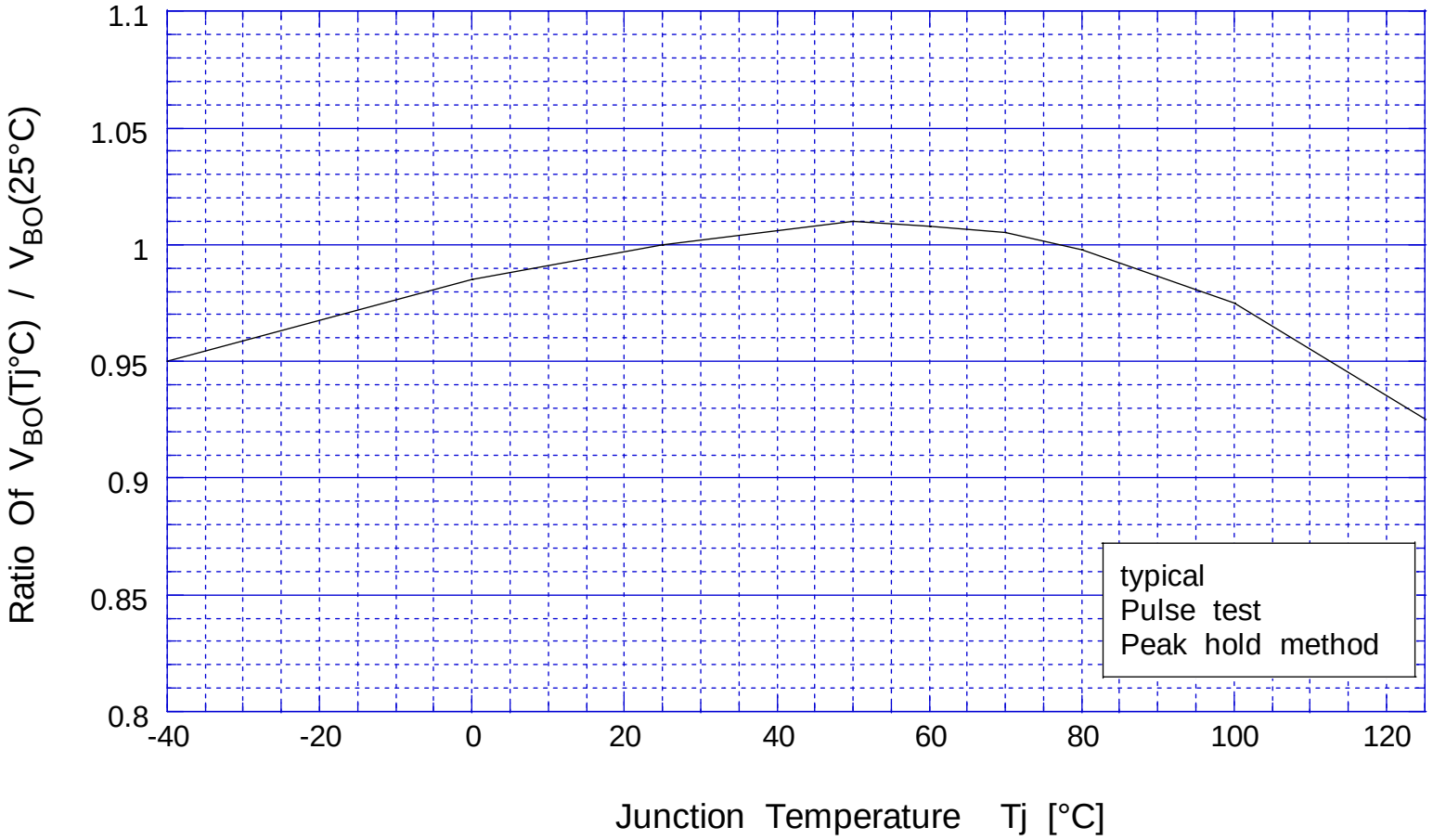
Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V_{BO}	dv/dt = 8V/ms (Peak hold)	Min 125	V
Off-State Current	I_{DRM}	$V_D = V_{DRM}$	Max 5.0	μ A
Holding Current	I_H	Pulse measurement	Min 100	mA
On-State Voltage	V_T	I_T = 2A	Max 3.0	V
Capacitance	Cj	f = 1kHz, VD = 50V	Max 140	pF
Clamping Voltage	V_{CL}	dv/dt = 100V/ μ s	Max 195	V

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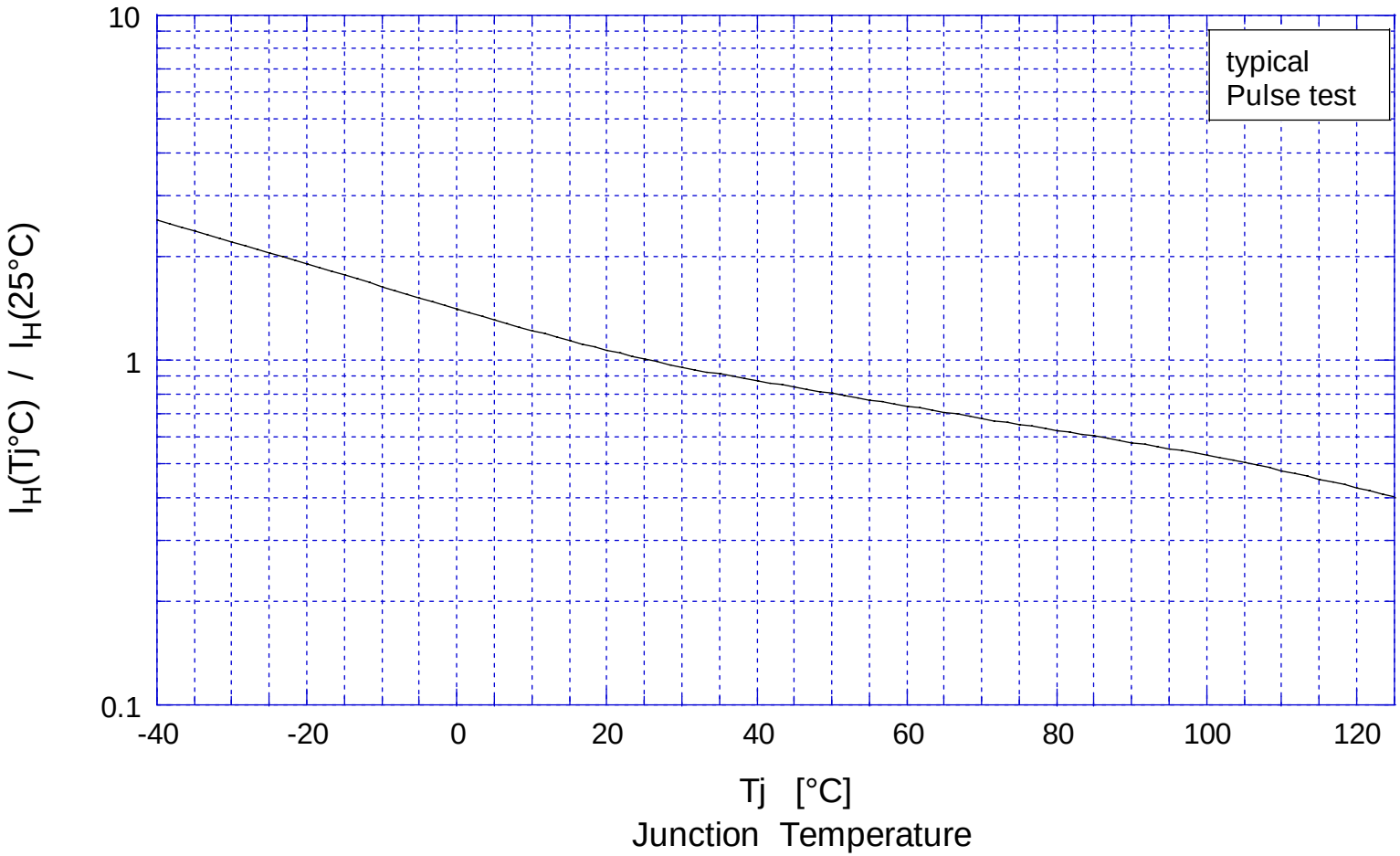
KU10N14 On-State Voltage - On-State Current



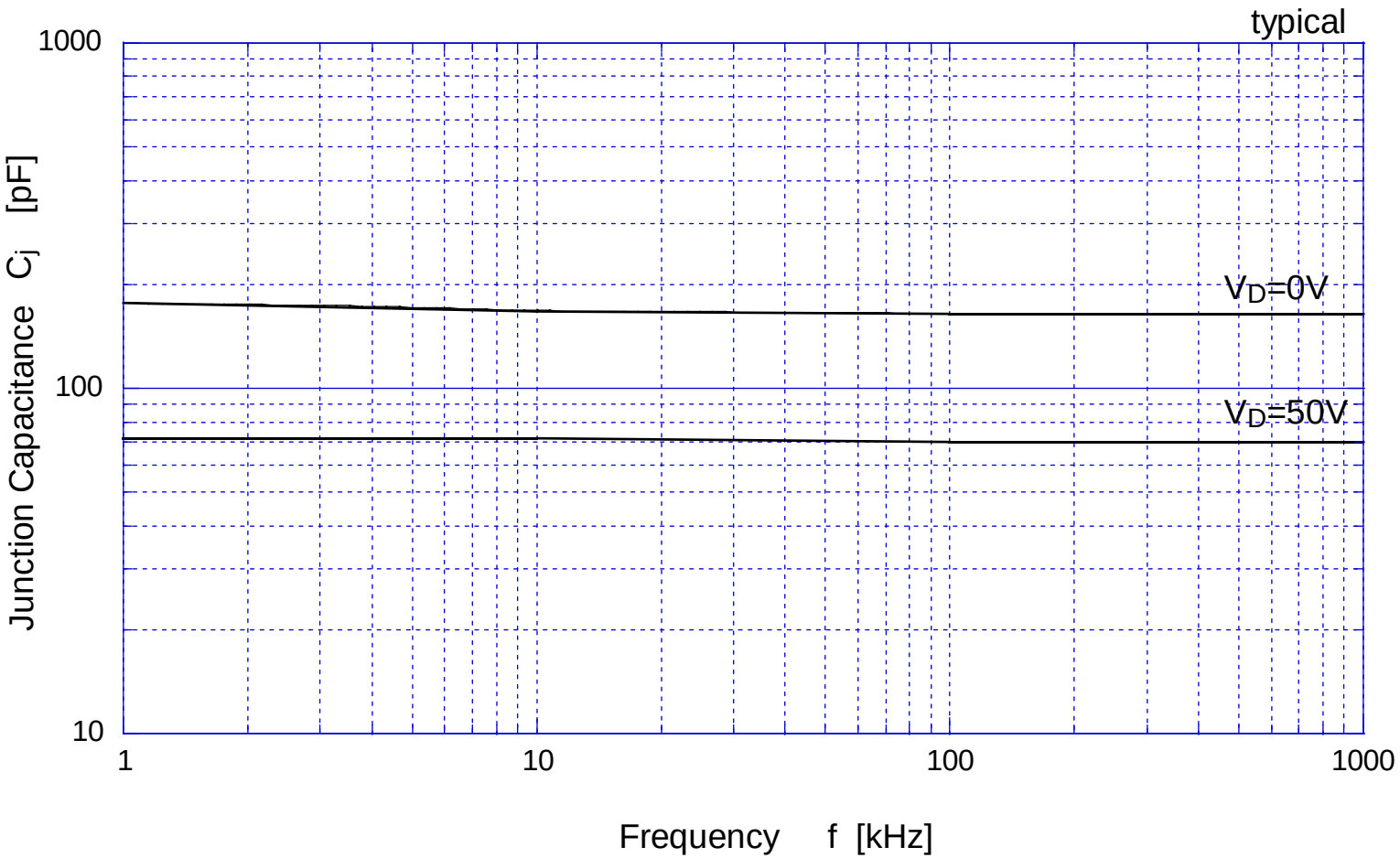
KU10N14 Break Over Voltage vs Junction Temperature



KU10N14 Holding Current



KU10N14 Junction Capacitance



KU10N14 Junction Capacitance

