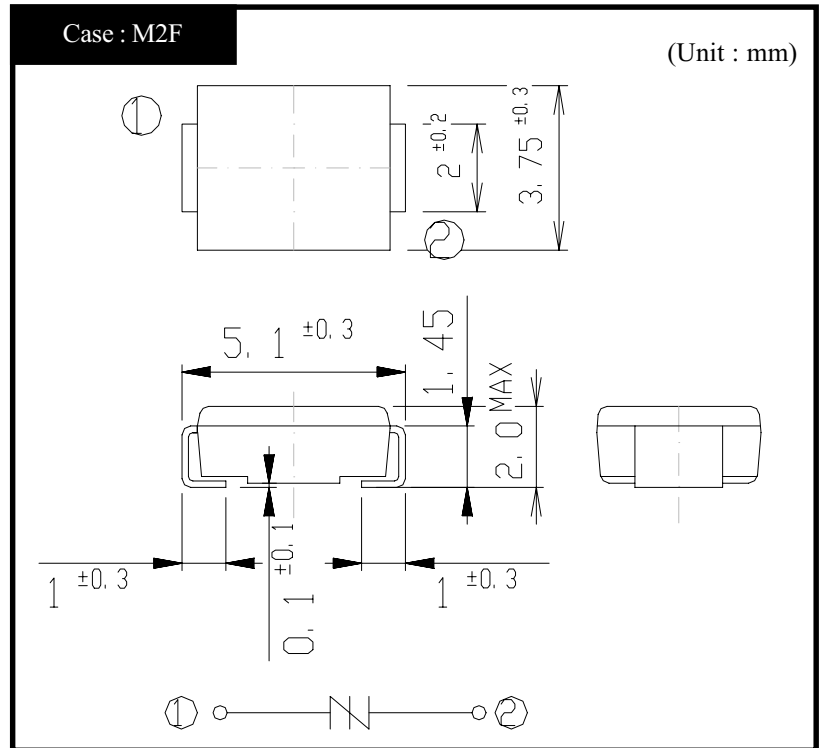


# KU10N14

## OUTLINE DIMENSIONS



## RATINGS

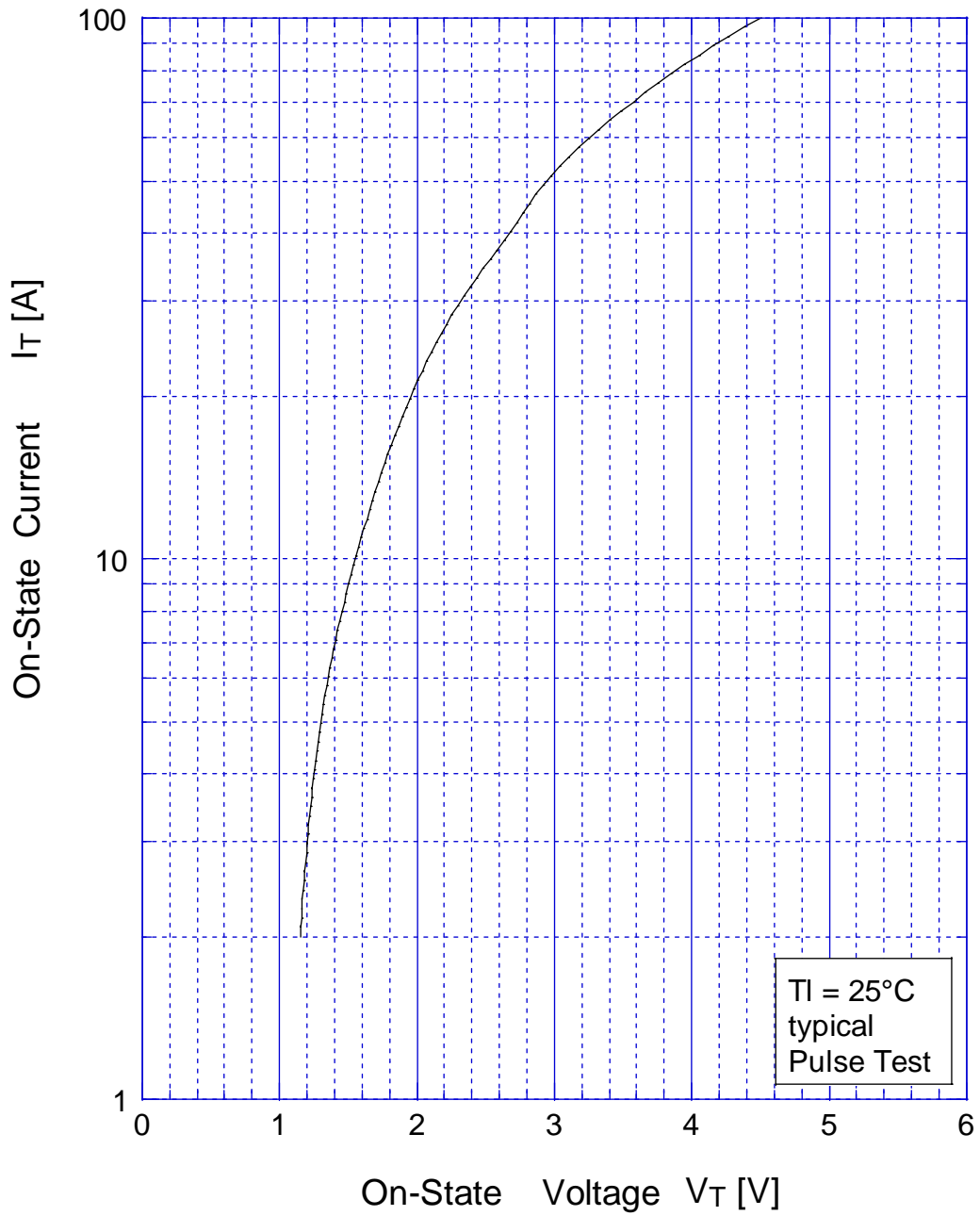
### ● Absolute Maximum Ratings (Unless otherwise specified, $T_c=25^\circ\text{C}$ )

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	$T_{stg}$		-40~125	$^\circ\text{C}$
Junction Temperature	$T_j$		125	$^\circ\text{C}$
Maximum Off-State Voltage	$V_{DRM}$		120	V
Surge On-State Current	$I_{TSM}$	Pulse-waveform 10/1000 $\mu\text{s}$ , Non-repetitive	100	A

### ● Electrical Characteristics (Unless otherwise specified, $T_c=25^\circ\text{C}$ )

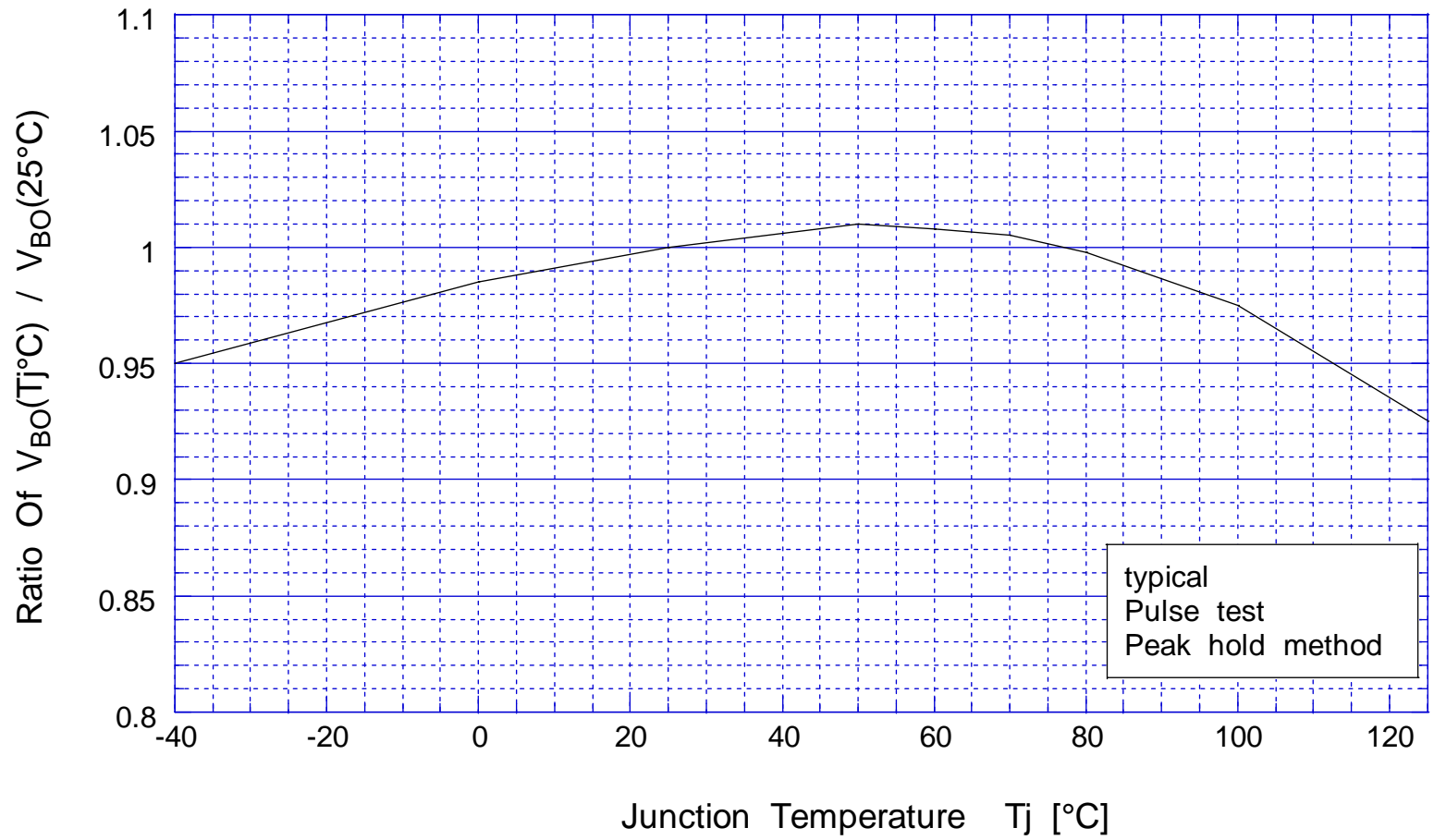
Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	$V_{BO}$	$dv/dt = 8\text{V/ms}$ (Peak hold)	Min 125	V
Off-State Current	$I_{DRM}$	$V_D = V_{DRM}$	Max 5.0	$\mu\text{A}$
Holding Current	$I_H$	Pulse measurement	Min 100	mA
On-State Voltage	$V_T$	$I_T = 2\text{A}$	Max 3.0	V
Capacitance	$C_j$	$f = 1\text{kHz}$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

# KU10N14 On-State Voltage - On-State Current

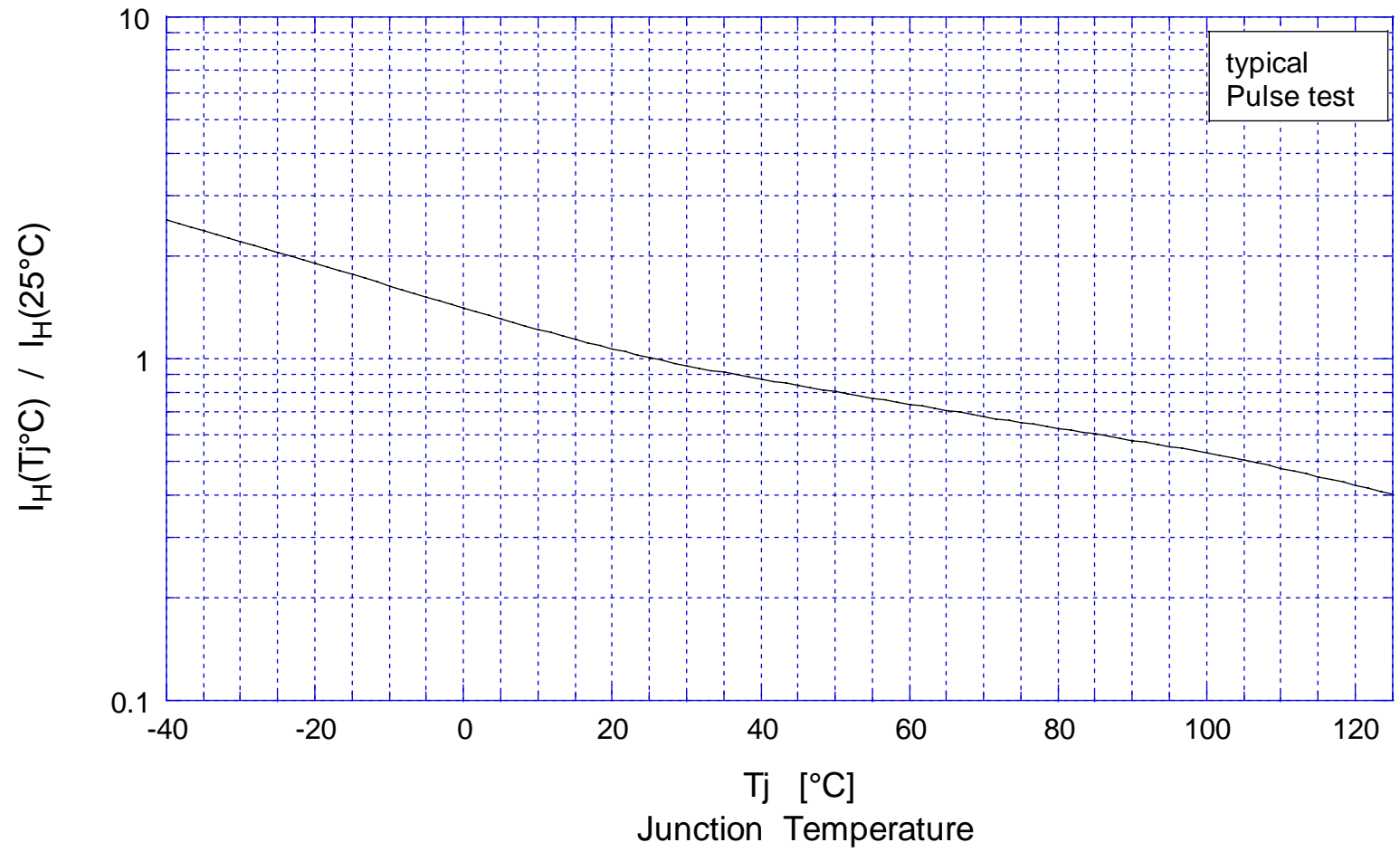


# KU10N14 Break Over Voltage vs Junction Temperature

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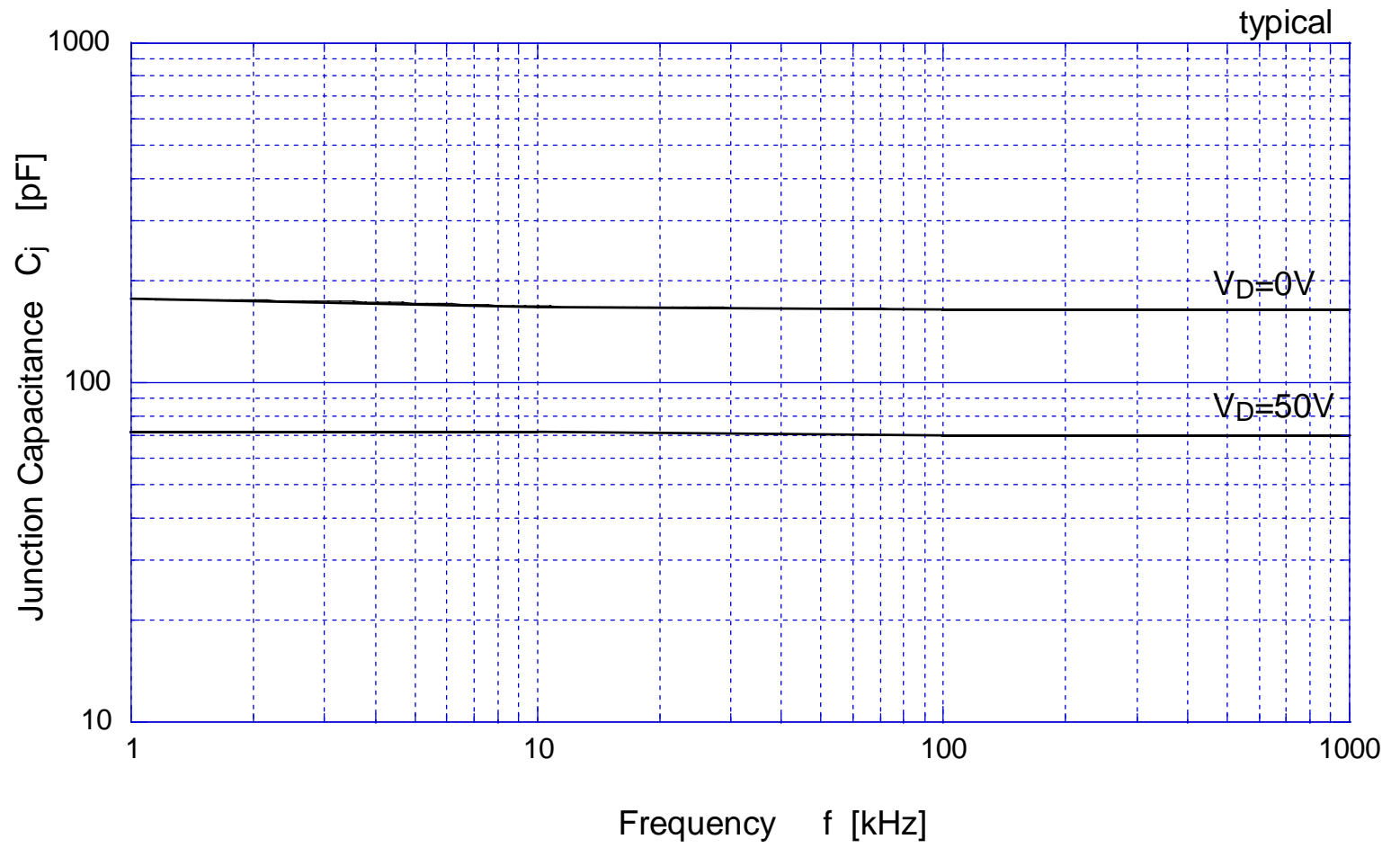


# KU10N14 Holding Current



# KU10N14 Junction Capacitance

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# KU10N14 Junction Capacitance

