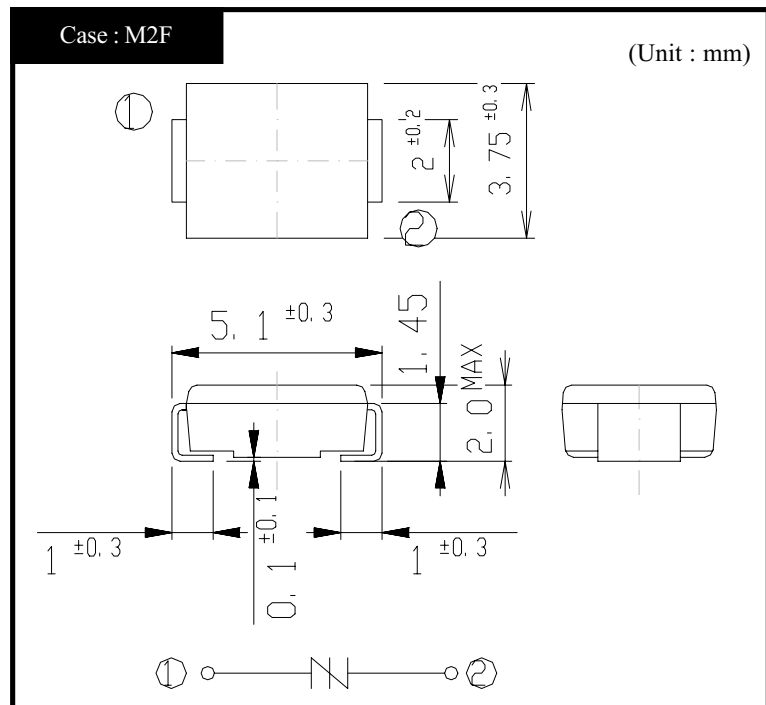


# KU10N14

### OUTLINE DIMENSIONS



### RATINGS

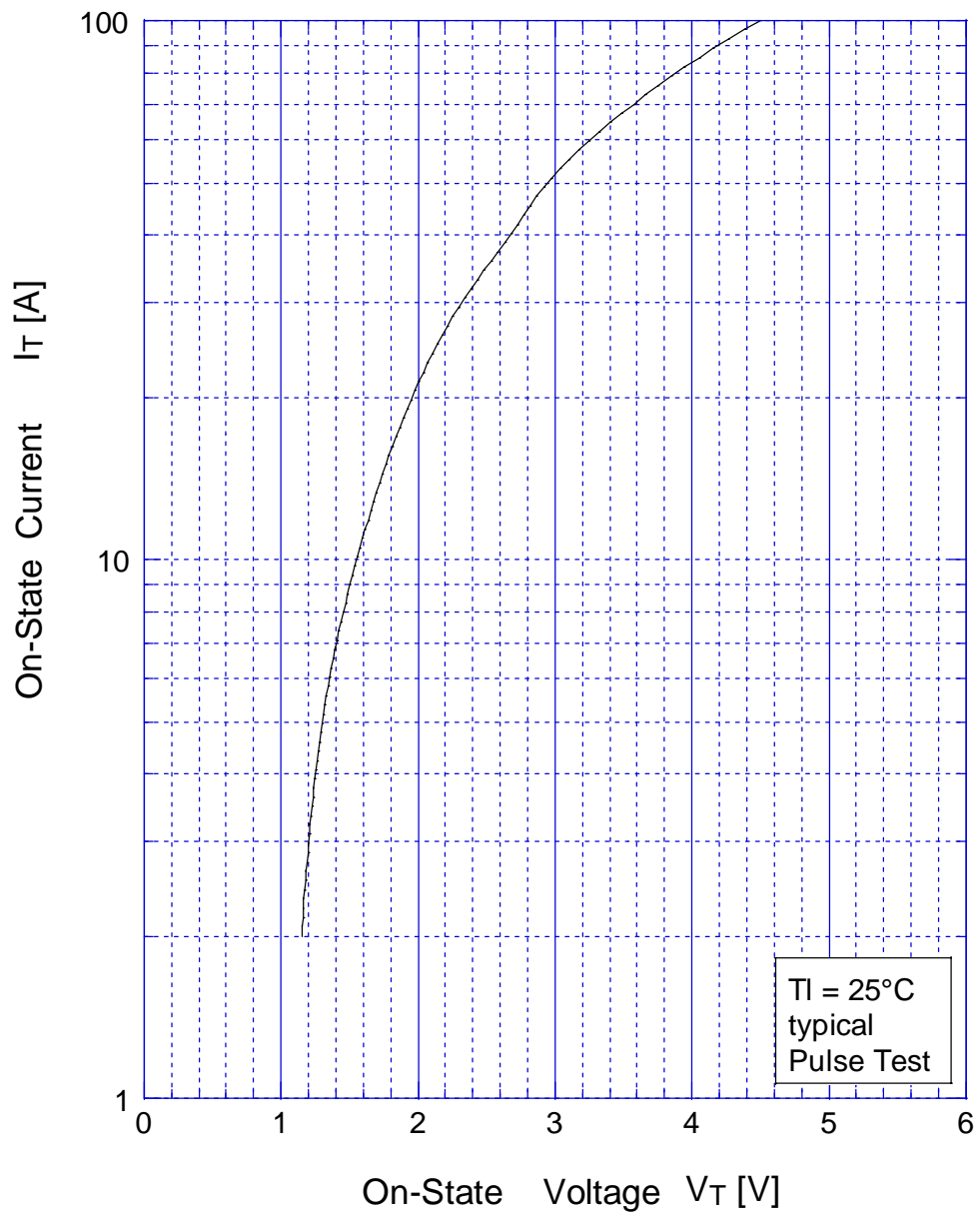
#### ● Absolute Maximum Ratings (Unless otherwise specified, Tc=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T <sub>stg</sub>		-40~125	°C
Junction Temperature	T <sub>j</sub>		125	°C
Maximum Off-State Voltage	V <sub>DRM</sub>		120	V
Surge On-State Current	I <sub>TSM</sub>	Pulse-waveform 10/1000 μs, Non-repetitive	100	A

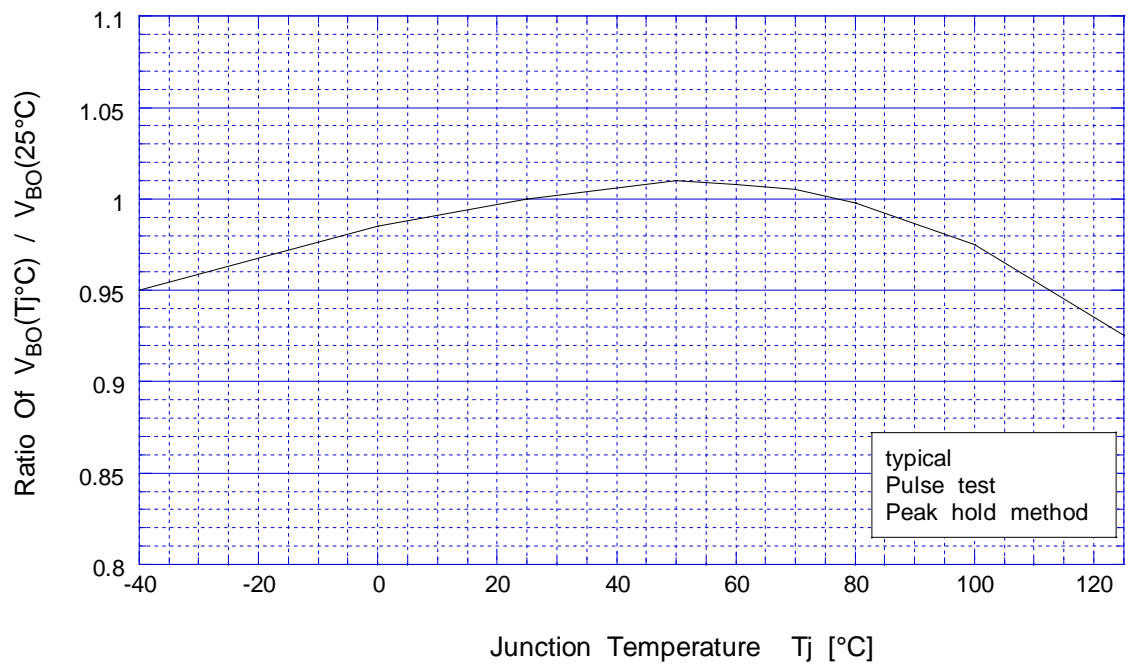
#### ● Electrical Characteristics (Unless otherwise specified, Tc=25°C)

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V <sub>BO</sub>	dv/dt = 8V/ms (Peak hold)	Min 125	V
Off-State Current	I <sub>DRM</sub>	V <sub>D</sub> = V <sub>DRM</sub>	Max 5.0	μA
Holding Current	I <sub>H</sub>	Pulse measurement	Min 100	mA
On-State Voltage	V <sub>T</sub>	I <sub>T</sub> = 2A	Max 3.0	V
Capacitance	C <sub>j</sub>	f = 1kHz, V <sub>D</sub> = 50V	Max 140	pF
Clamping Voltage	V <sub>CL</sub>	dv/dt = 100V/μs	Max 195	V

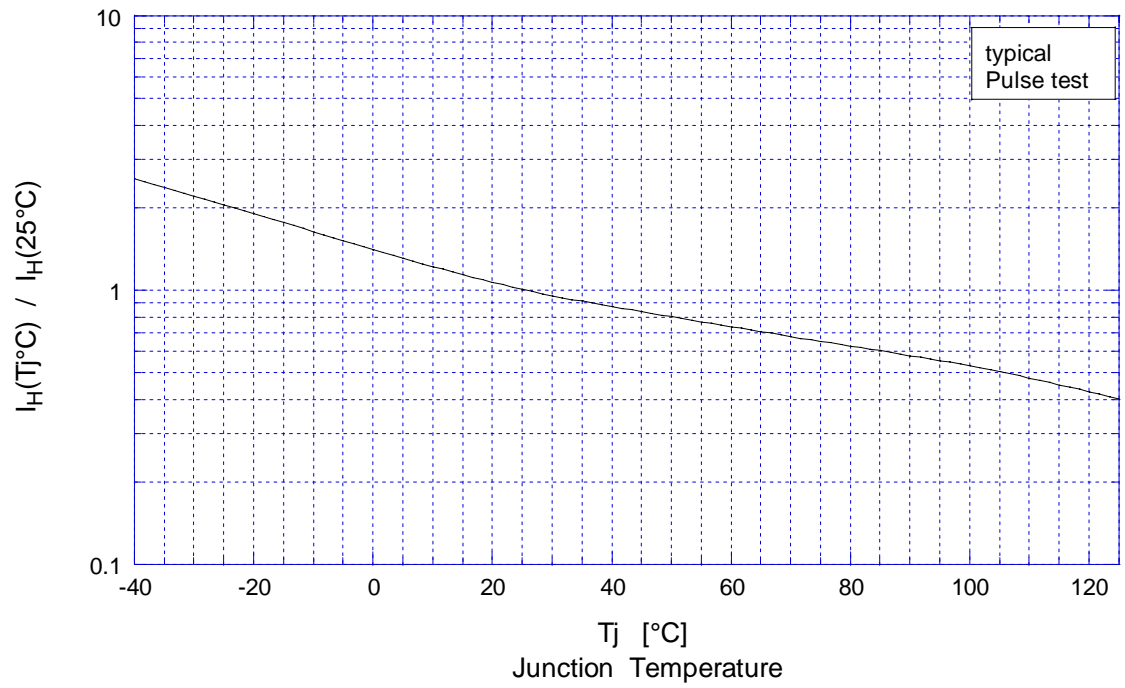
## KU10N14 On-State Voltage - On-State Current



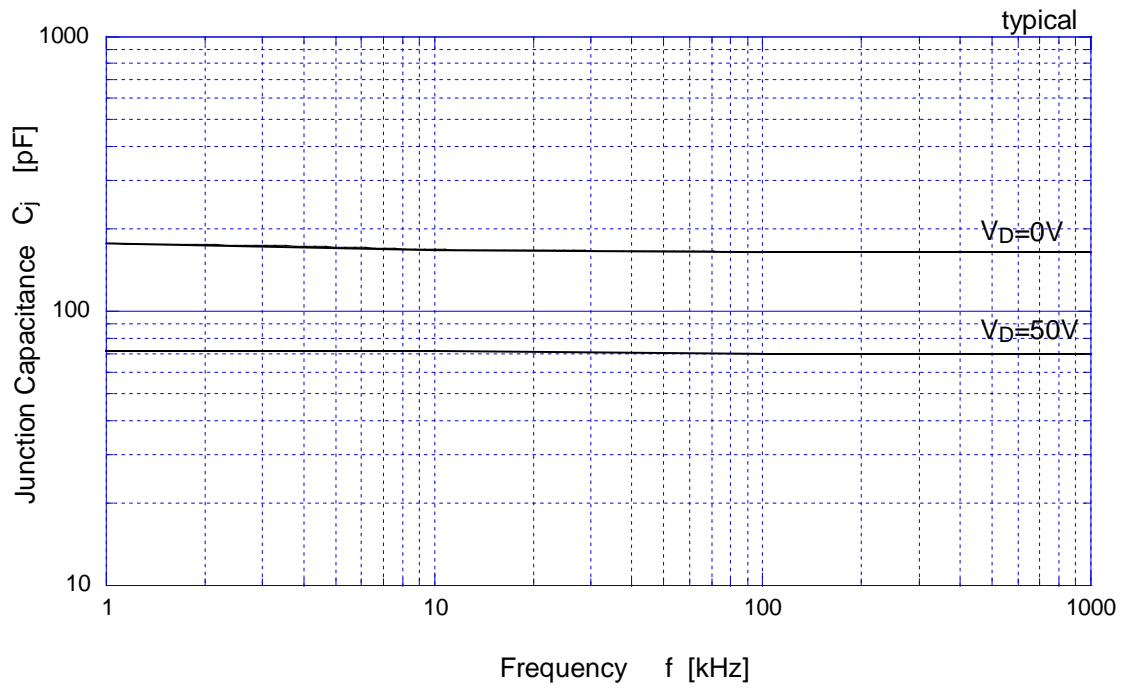
### KU10N14 Break Over Voltage vs Junction Temperature



### KU10N14 Holding Current



### KU10N14 Junction Capacitance



# KU10N14 Junction Capacitance

