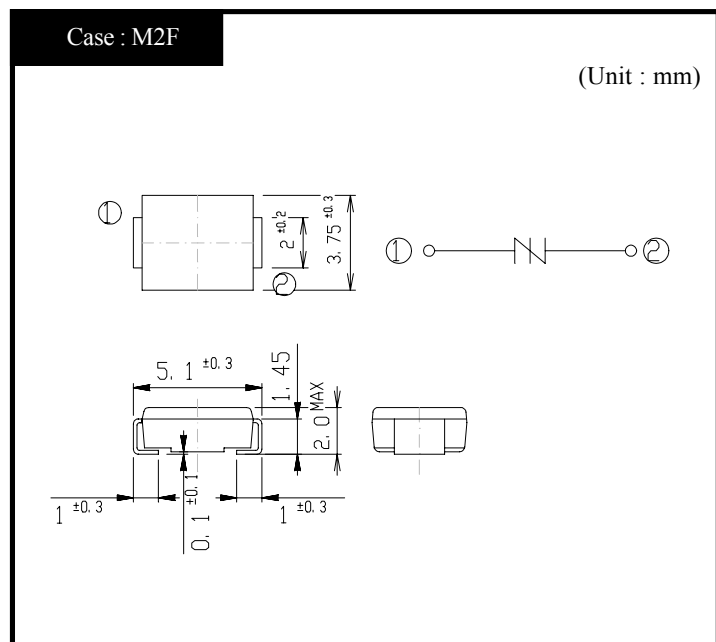


# KU5N12

### OUTLINE DIMENSIONS



### RATINGS

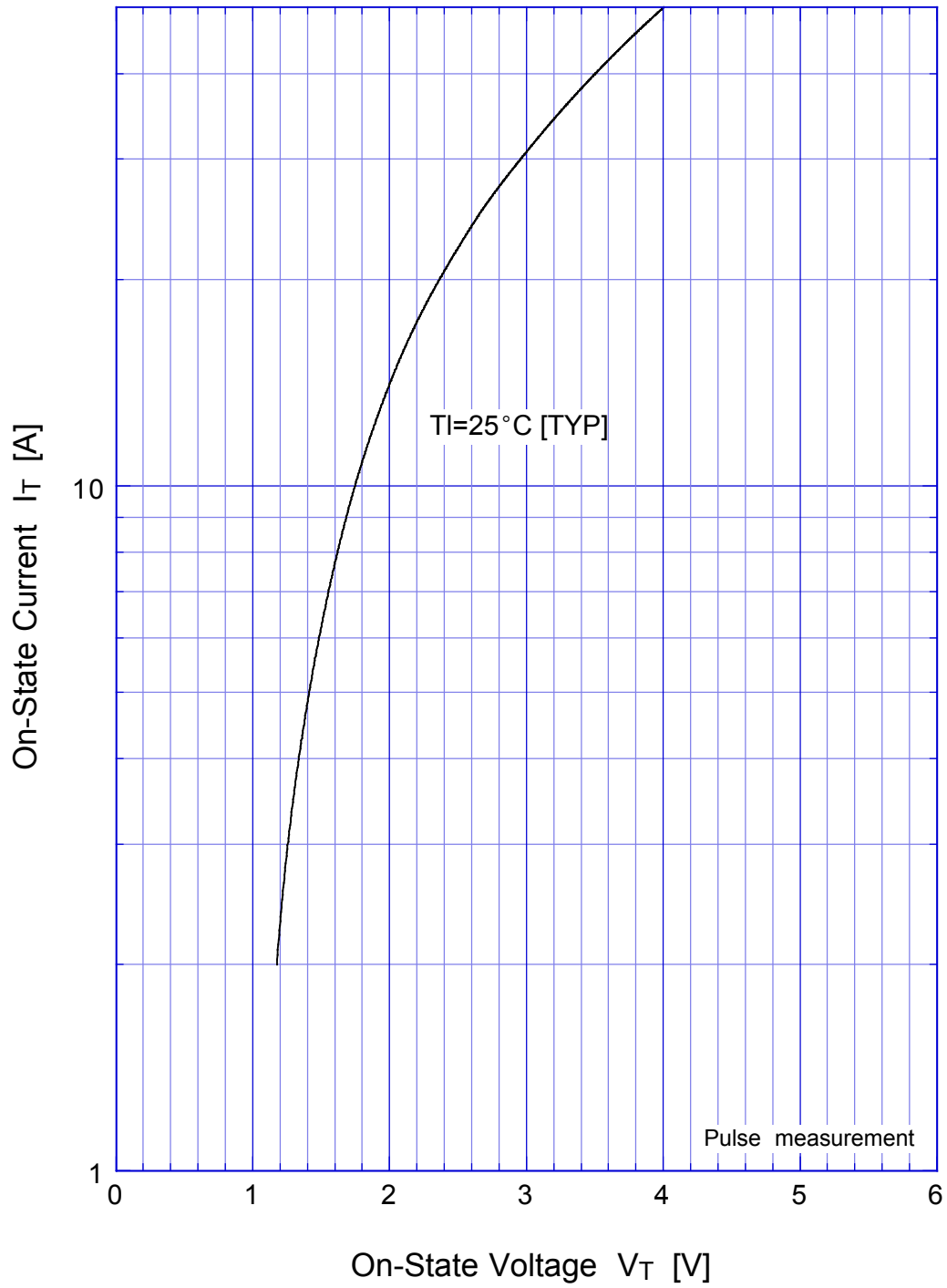
#### ● Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T <sub>stg</sub>		-40~125	°C
Junction Temperature	T <sub>j</sub>		125	°C
Operating Temperature	T <sub>op</sub>		-40~70	°C
Maximum Off-State Voltage	V <sub>DRM</sub>		100	V
Surge On-State Current	I <sub>TSM</sub>	Pulse-waveform 10/1000 μs, Non-repetitive	50	A

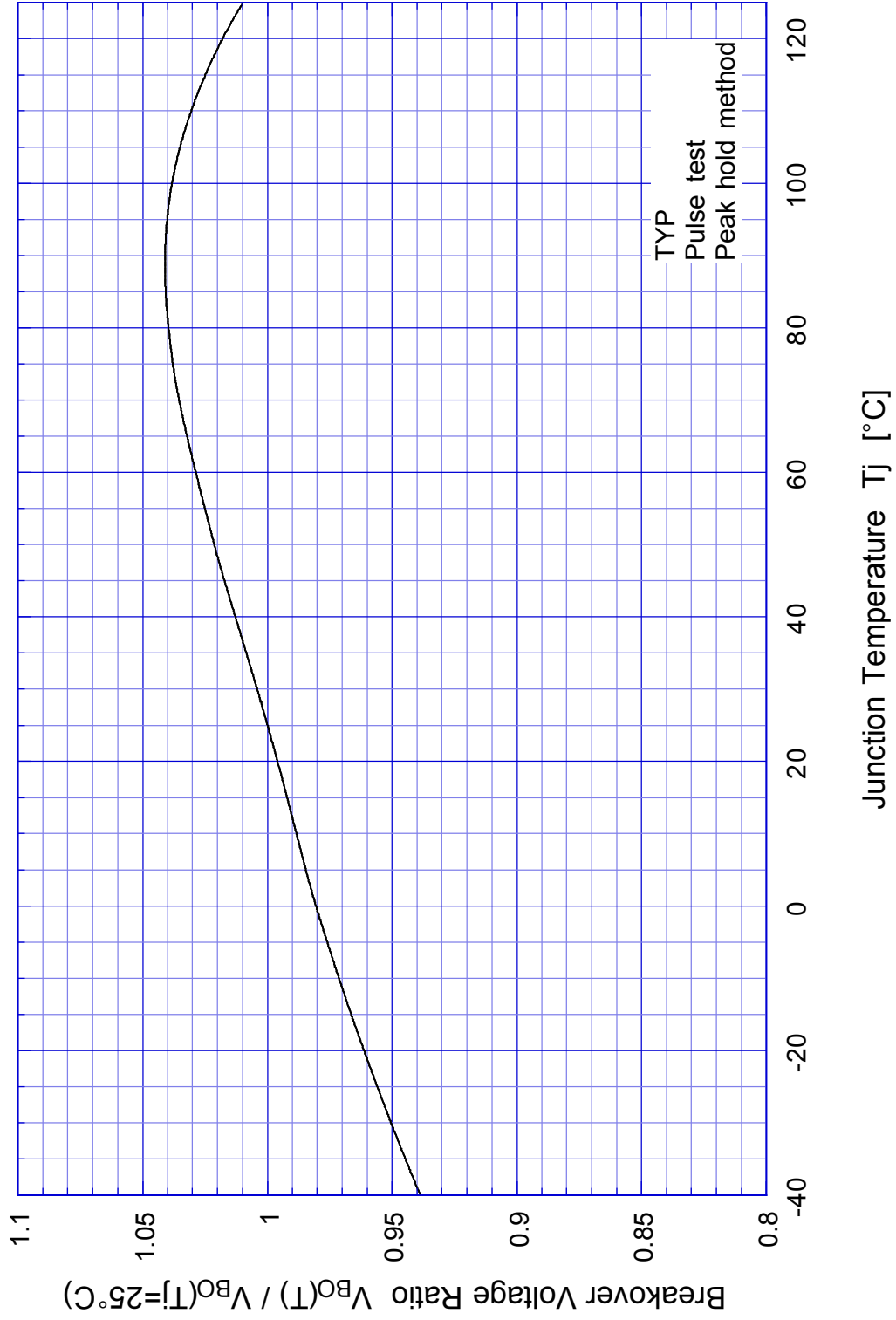
#### ● Electrical Characteristics (T<sub>c</sub>=25°C)

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V <sub>BO</sub>	dv/dt=8V/ms (Peak hold)	Min 110	V
Off-State Current	I <sub>DRM</sub>	V <sub>D</sub> = V <sub>DRM</sub>	Max 5	μA
Holding Current	I <sub>H</sub>	Pulse measurement	Min 150(100)	mA
On-State Voltage	V <sub>T</sub>	I <sub>T</sub> = 2A	TYP 1.25	V
Capacitance	C <sub>j</sub>	f = 1MHz OSC = 1Vrms, DC = 50V	Max 50	pF

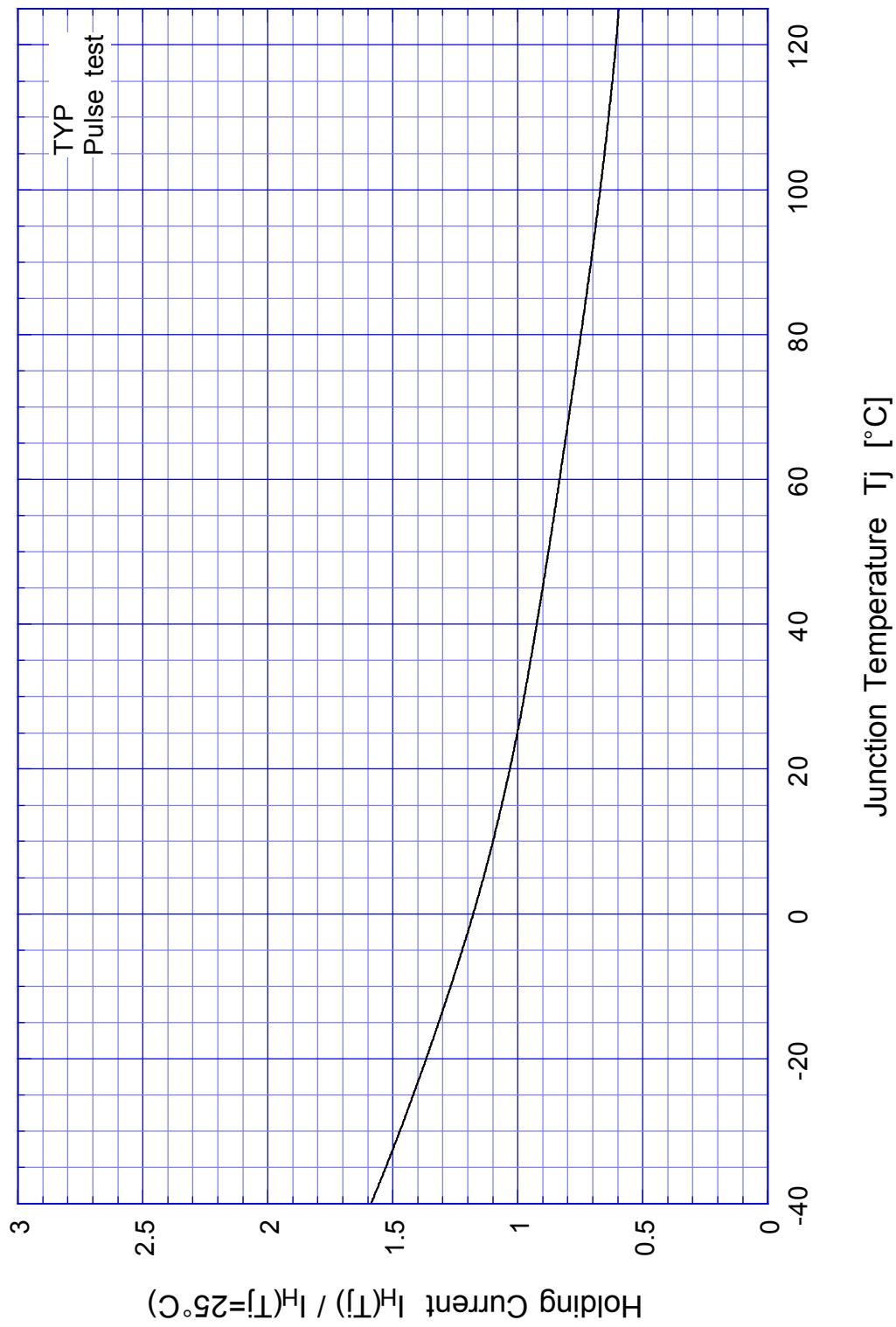
# KU5N12 On-State Voltage - On-State Current



# KU5N12 Breakover Voltage - Junction Temperature

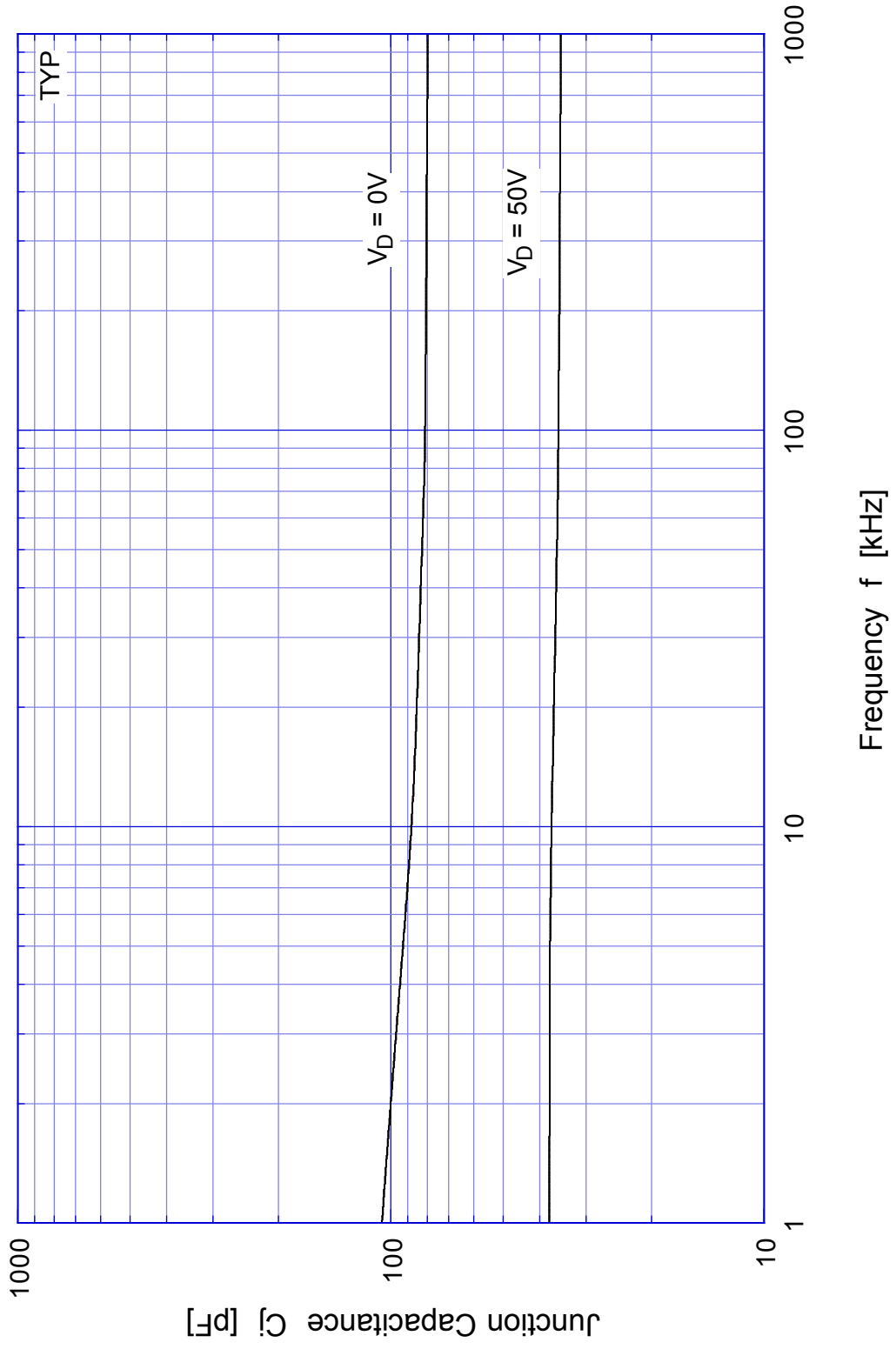


# KU5N12 Holding Current - Junction Temperature



# KU5N12

## Junction Capacitance



# KU5N12 Junction Capacitance

