

# SHINDENGEN

TSS KU Series

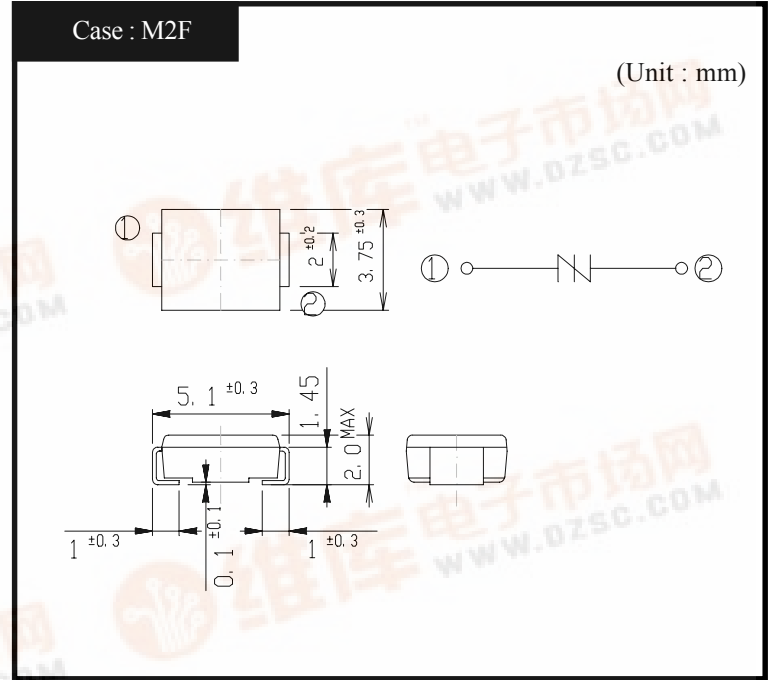
SMD

**KU10S40N**

## OUTLINE DIMENSIONS

Case : M2F

(Unit : mm)



## RATINGS

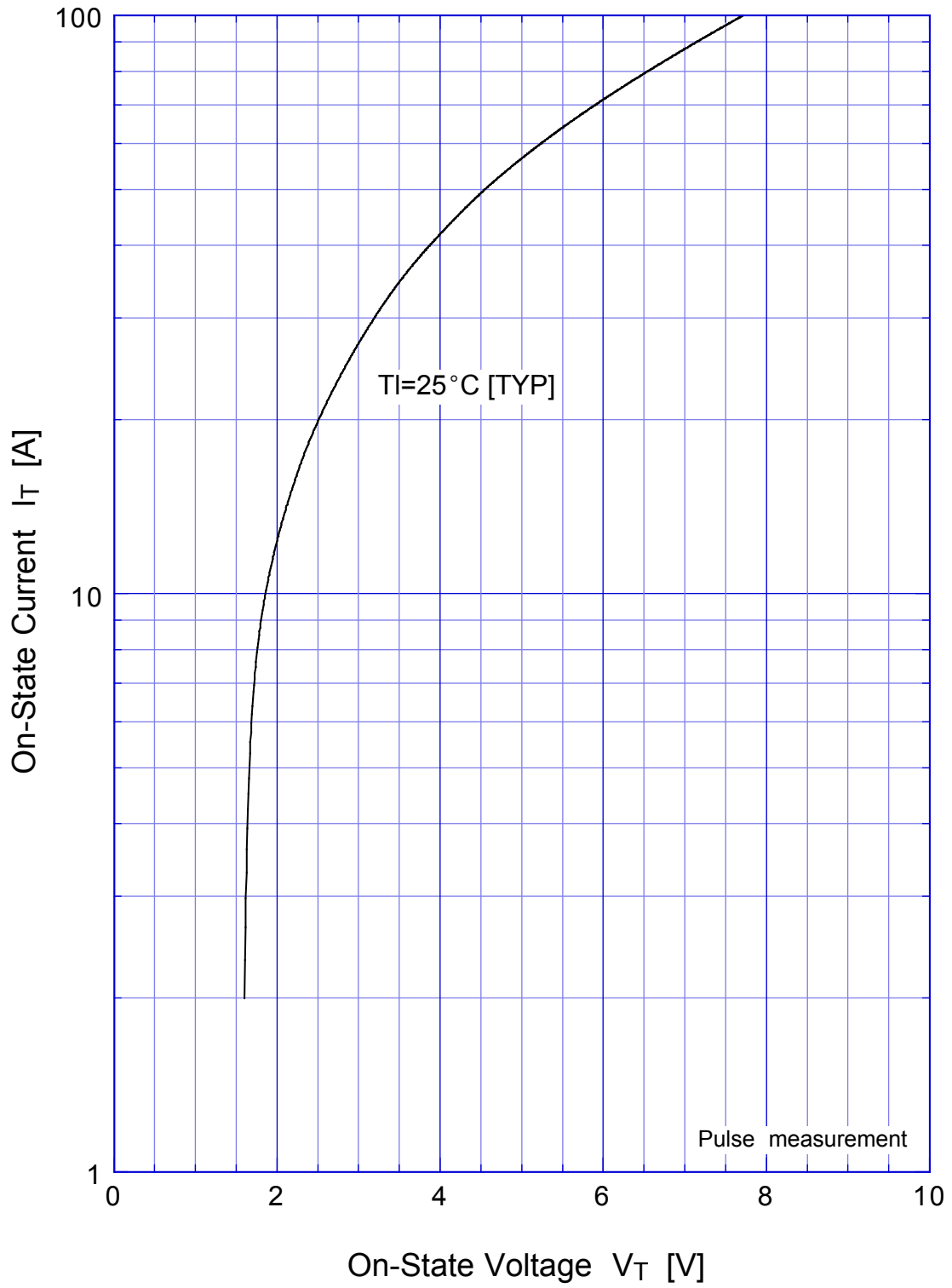
### ● Absolute Maximum Ratings

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>		-20~85	
Maximum Off-State Voltage	V <sub>DRM</sub>		300	V
Surge On-State Current	I <sub>TSM</sub>	Pluse-waveform 10/1000 μ s, Non-repetitive	100	A

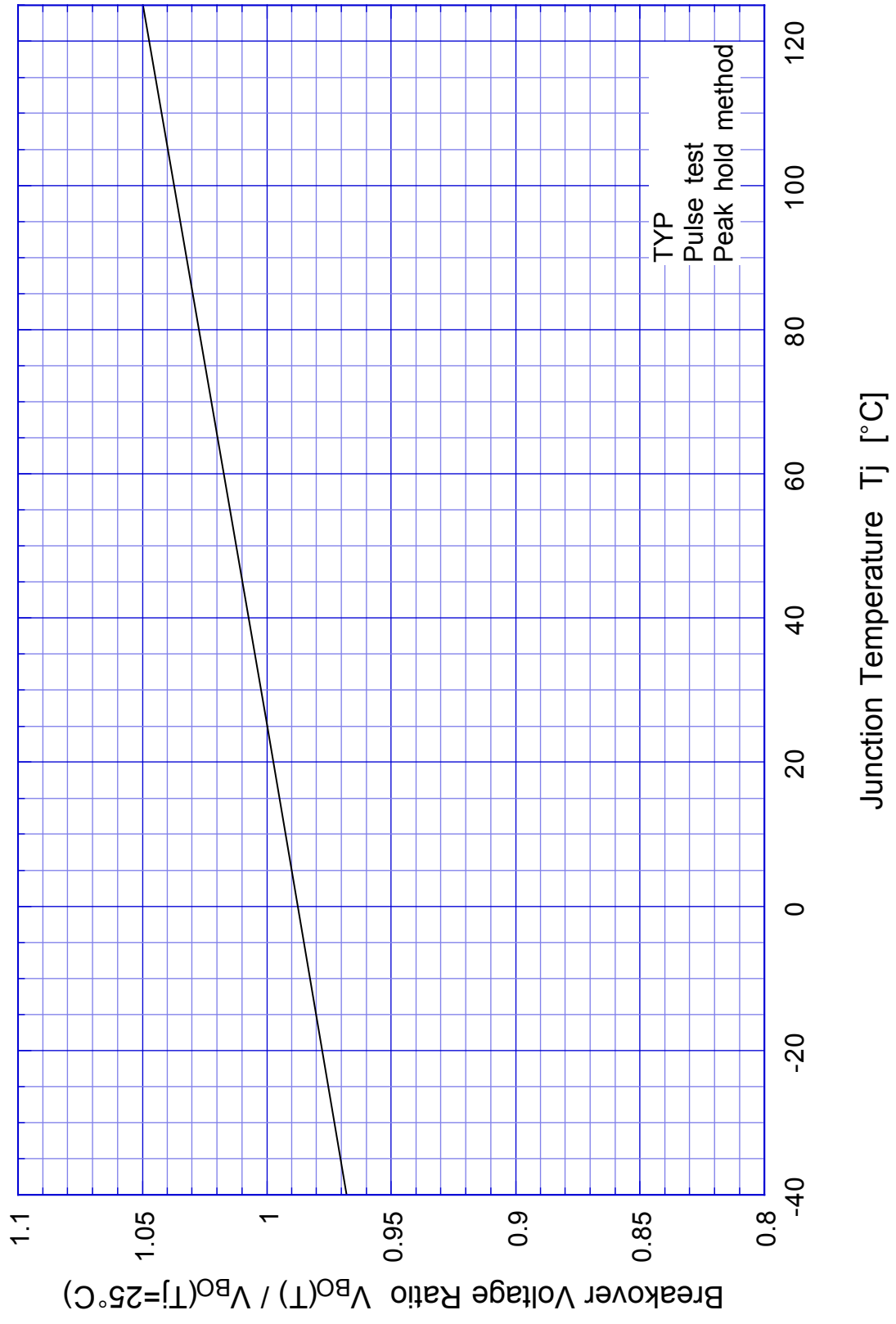
### ● Electrical Characteristics (T<sub>c</sub>=25°C)

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V <sub>BO</sub>	dv/dt = 8V /ms (Peak hold)	Min 350	V
Off-State Current	I <sub>DRM</sub>	V <sub>D</sub> = V <sub>DRM</sub>	Max 5.0	μ A
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 1.7	V
Capacitance	C <sub>j</sub>	f = 1MHz, OSC = 1Vrms, DC = 50V	Max 90	pF

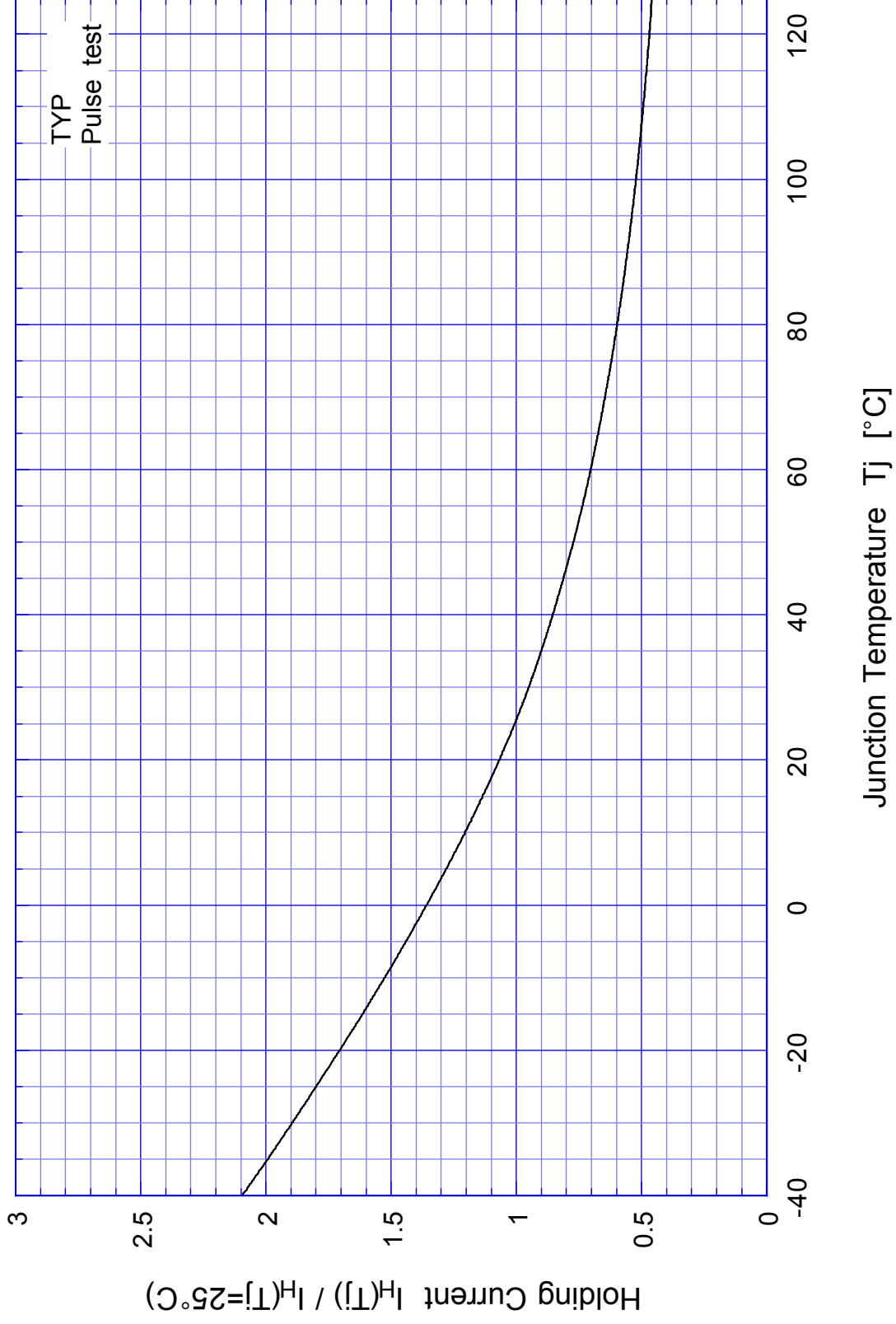
# KU10S40N On-State Voltage - On-State Current



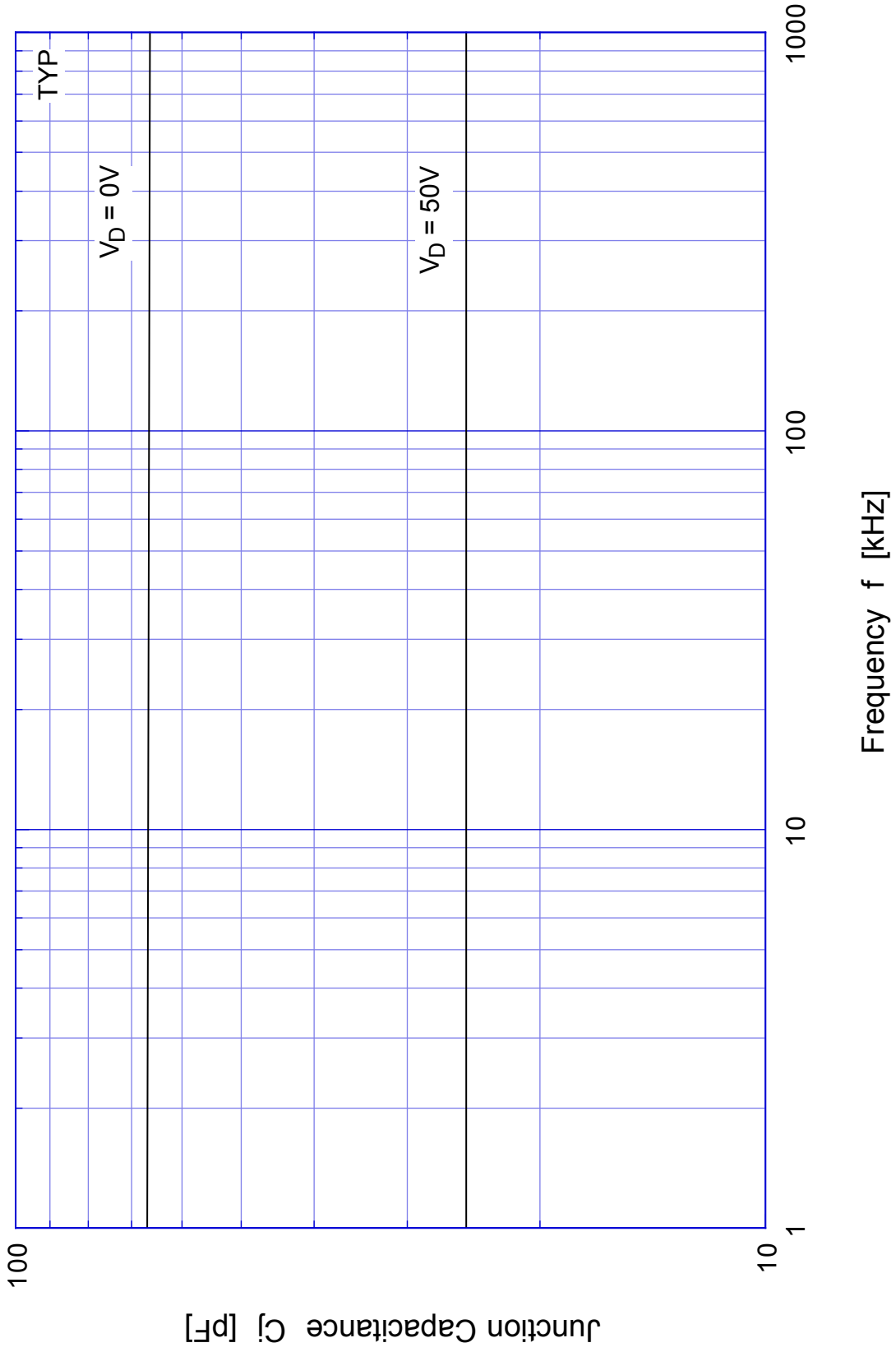
# KU10S40N Breakover Voltage - Junction Temperature



# KU10S40N Holding Current - Junction Temperature



# KU10S40N Junction Capacitance



# KU10S40N Junction Capacitance

