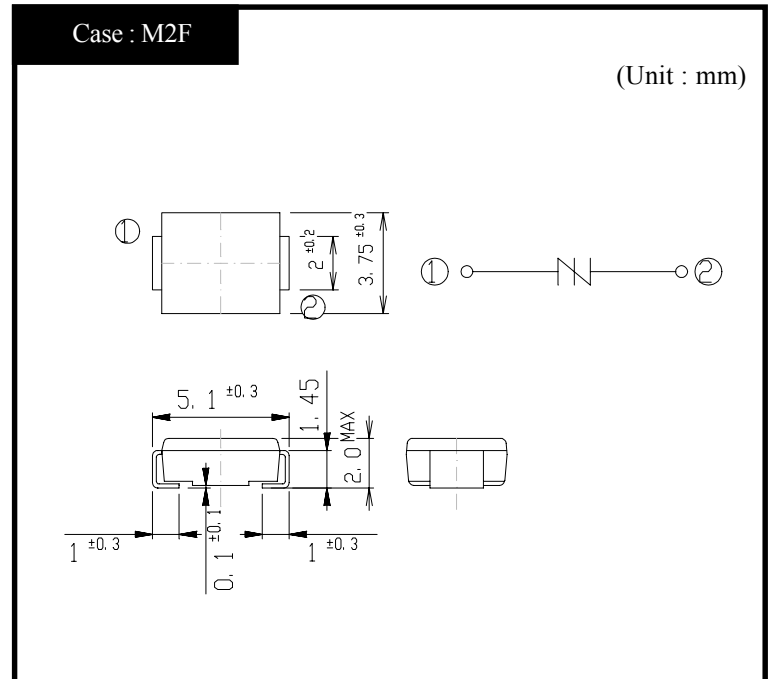


# KU10S40N

## OUTLINE DIMENSIONS



## RATINGS

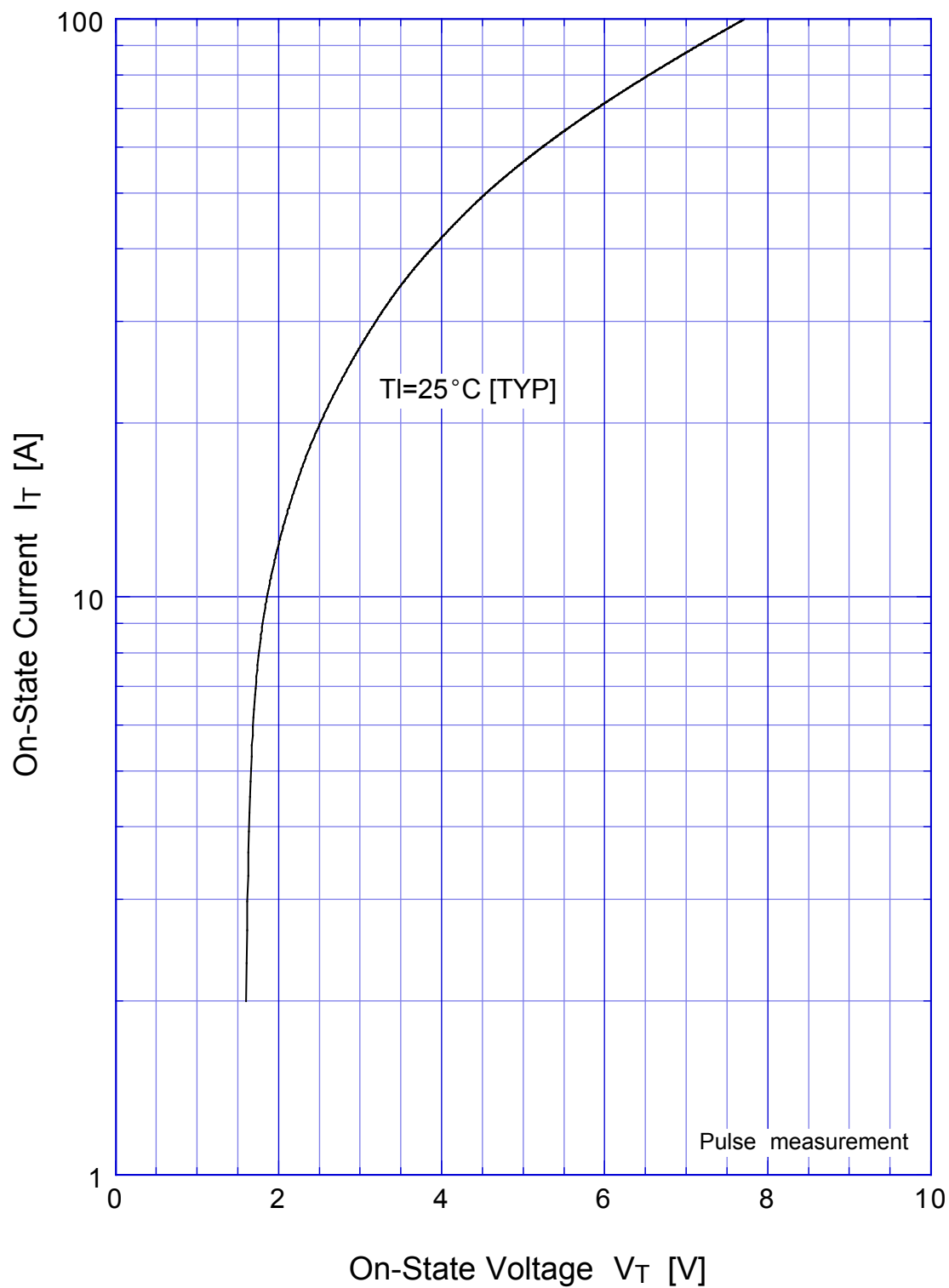
### ● Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	$T_{stg}$		-40~125	°C
Junction Temperature	$T_j$		125	°C
Operating Temperature	$T_{op}$		-20~85	
Maximum Off-State Voltage	$V_{DRM}$		300	V
Surge On-State Current	$I_{TSM}$	Pluse-waveform 10/1000 $\mu$ s, Non-repetitive	100	A

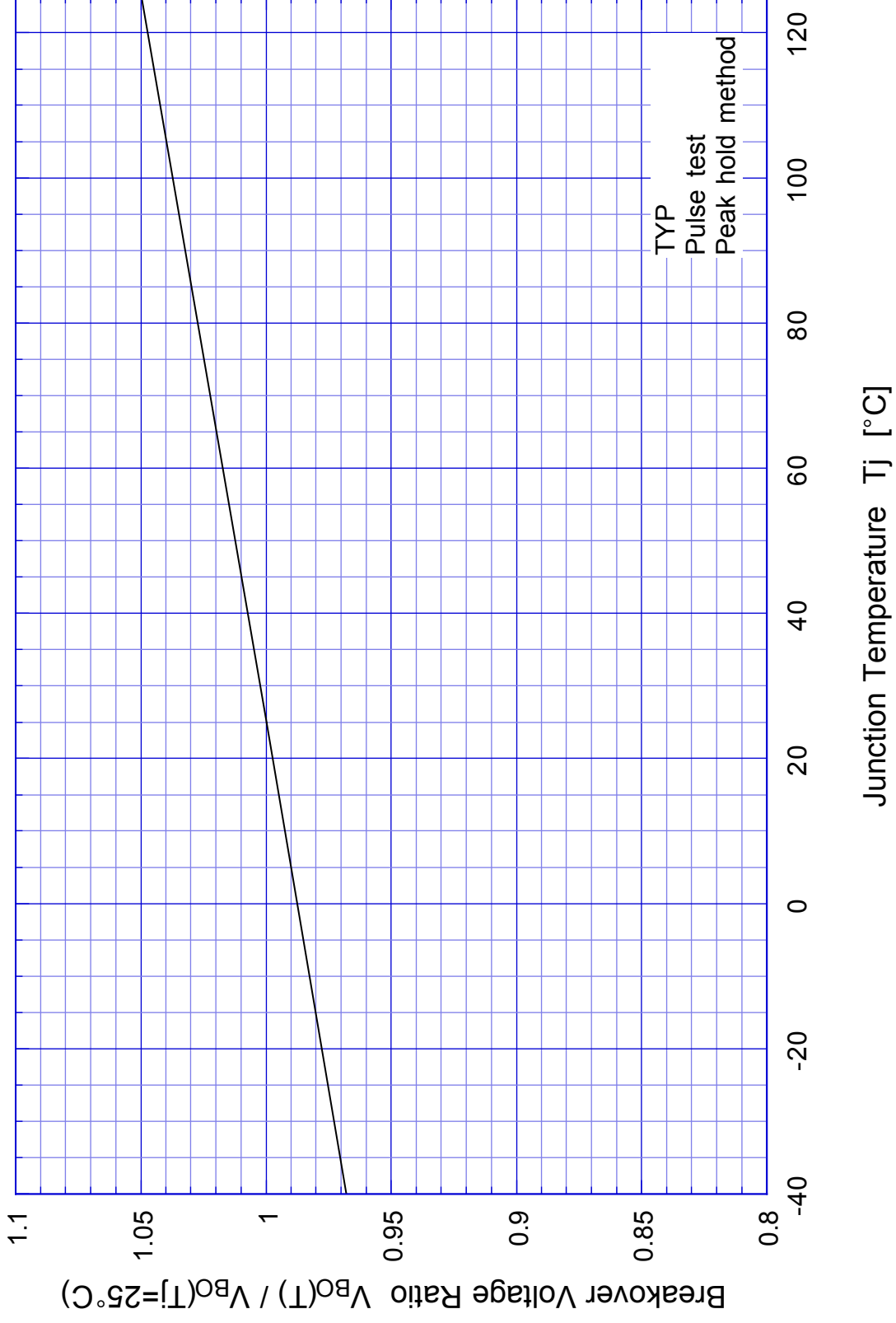
### ● Electrical Characteristics ( $T_c=25^\circ\text{C}$ )

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	$V_{BO}$	$dv/dt = 8V/ms$ (Peak hold)	Min 350	V
Off-State Current	$I_{DRM}$	$V_D = V_{DRM}$	Max 5.0	$\mu$ A
Holding Current	$I_H$	Pulse measurement	Min 150(100)	mA
On-State Voltage	$V_T$	$I_T = 2A$	TYP 1.7	V
Capacitance	$C_j$	$f = 1MHz, OSC = 1V_{rms}, DC = 50V$	Max 90	pF

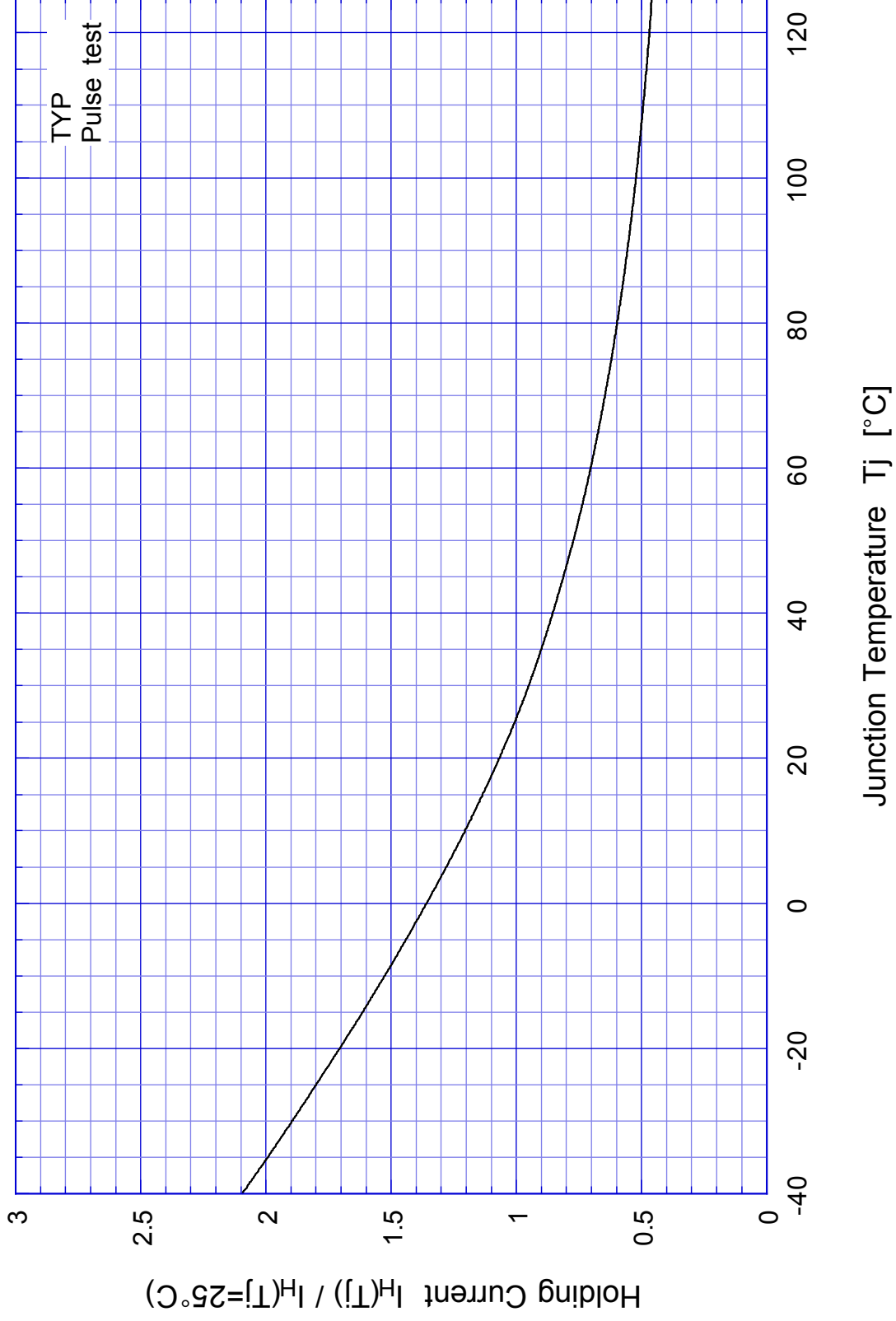
# KU10S40N On-State Voltage - On-State Current



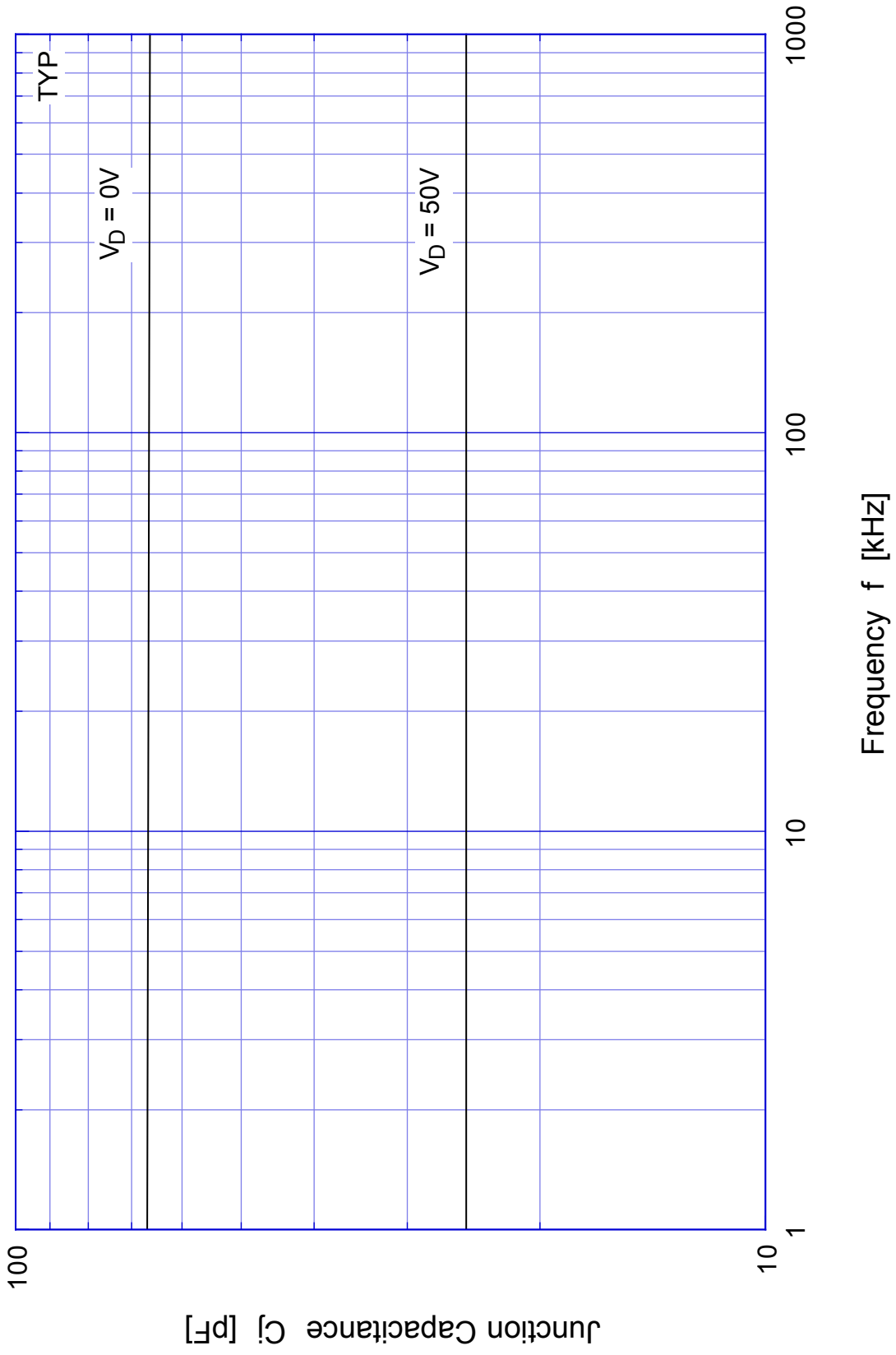
# KU10S40N Breakover Voltage - Junction Temperature



# KU10S40N Holding Current - Junction Temperature



# KU10S40N Junction Capacitance



# KU10S40N Junction Capacitance

