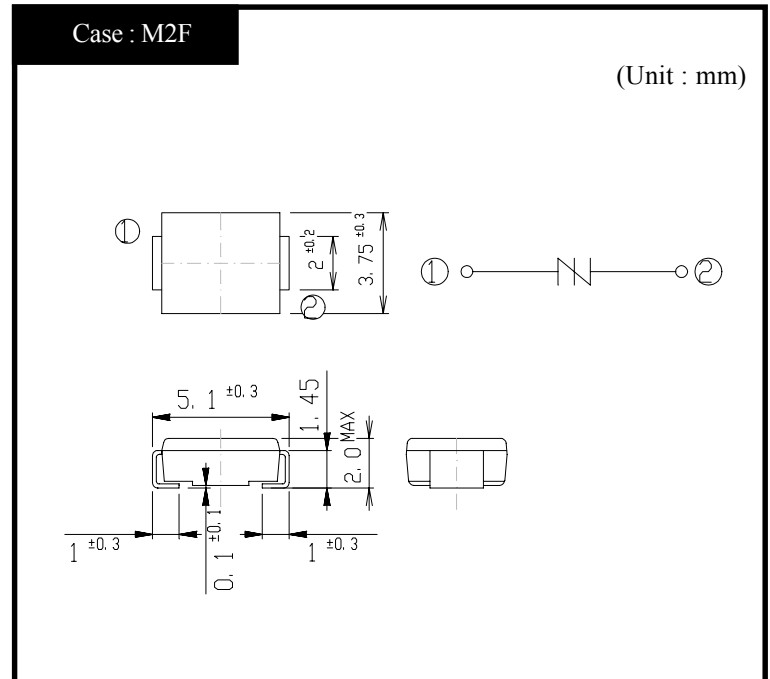


KU10S40N

OUTLINE DIMENSIONS



RATINGS

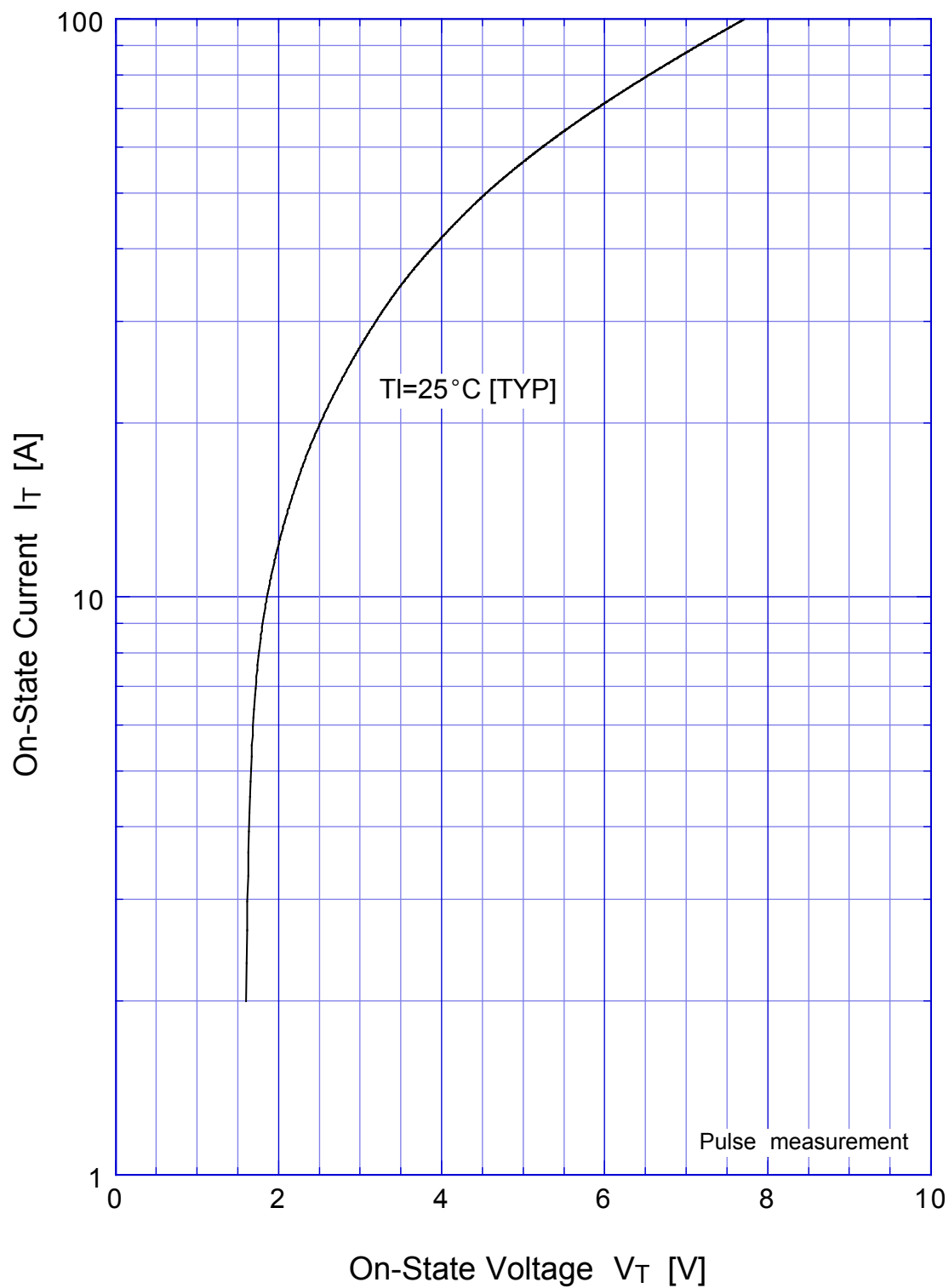
● Absolute Maximum Ratings

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 μ s, Non-repetitive	100	A

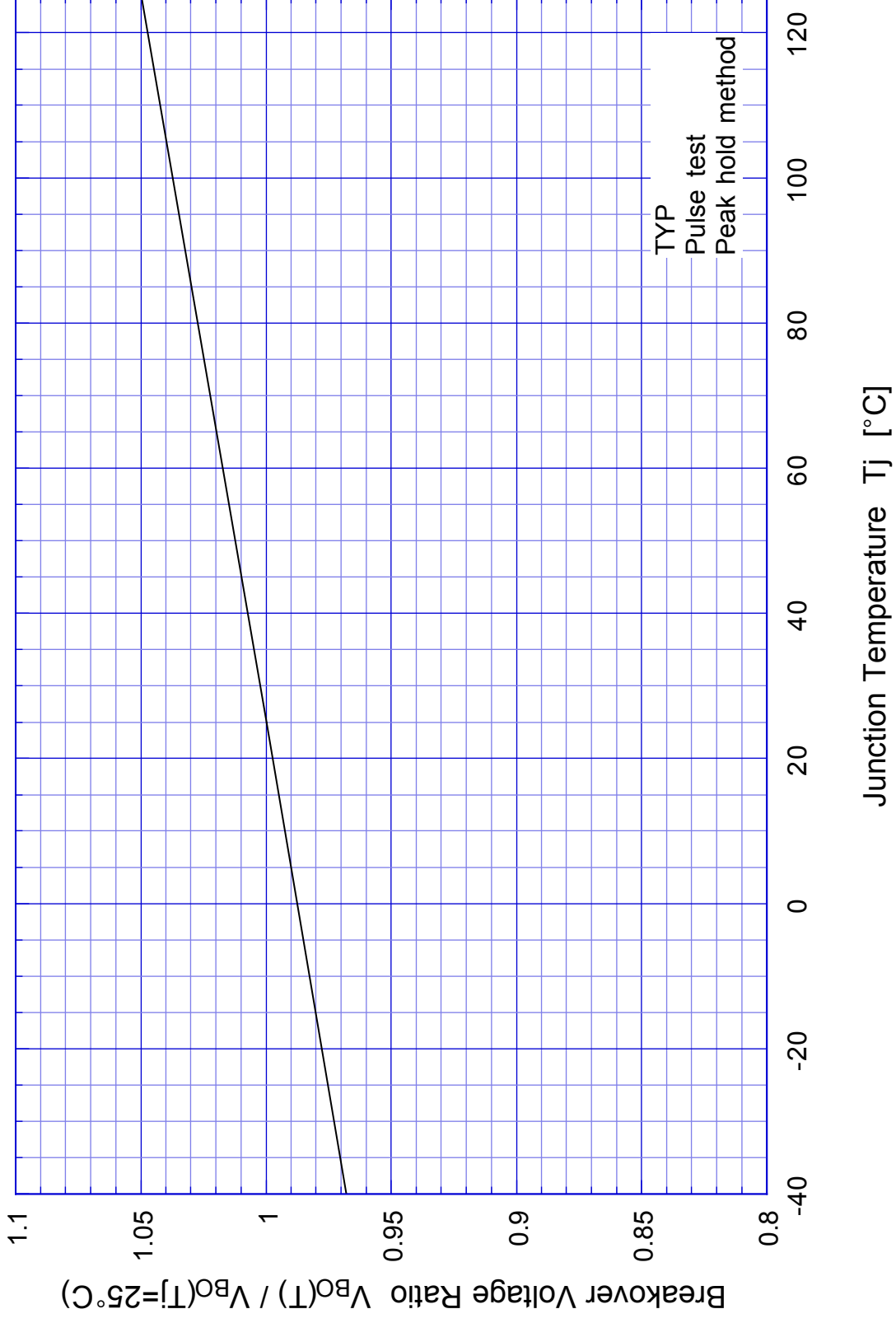
● Electrical Characteristics ($T_c=25^\circ\text{C}$)

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	μ 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

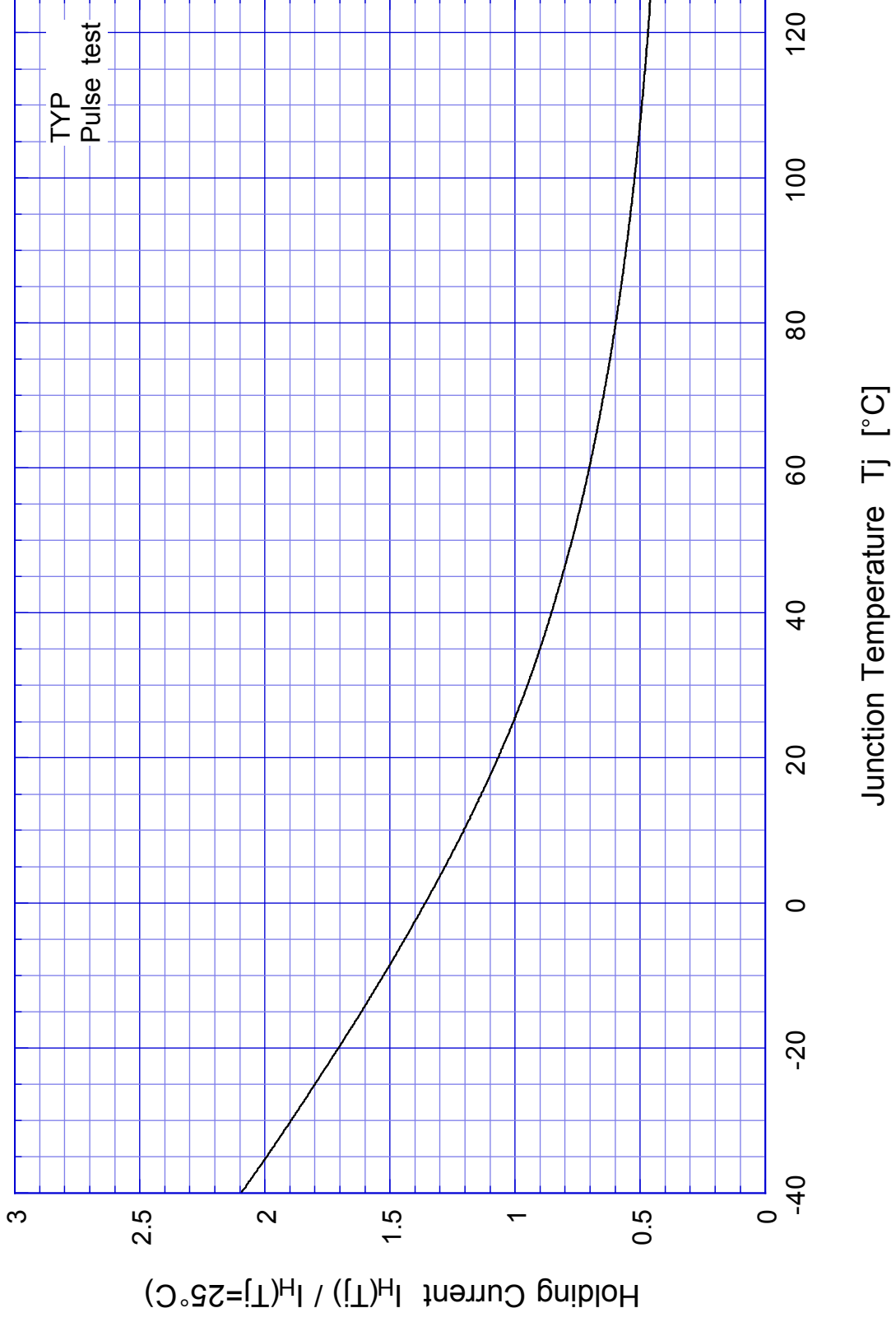
KU10S40N On-State Voltage - On-State Current



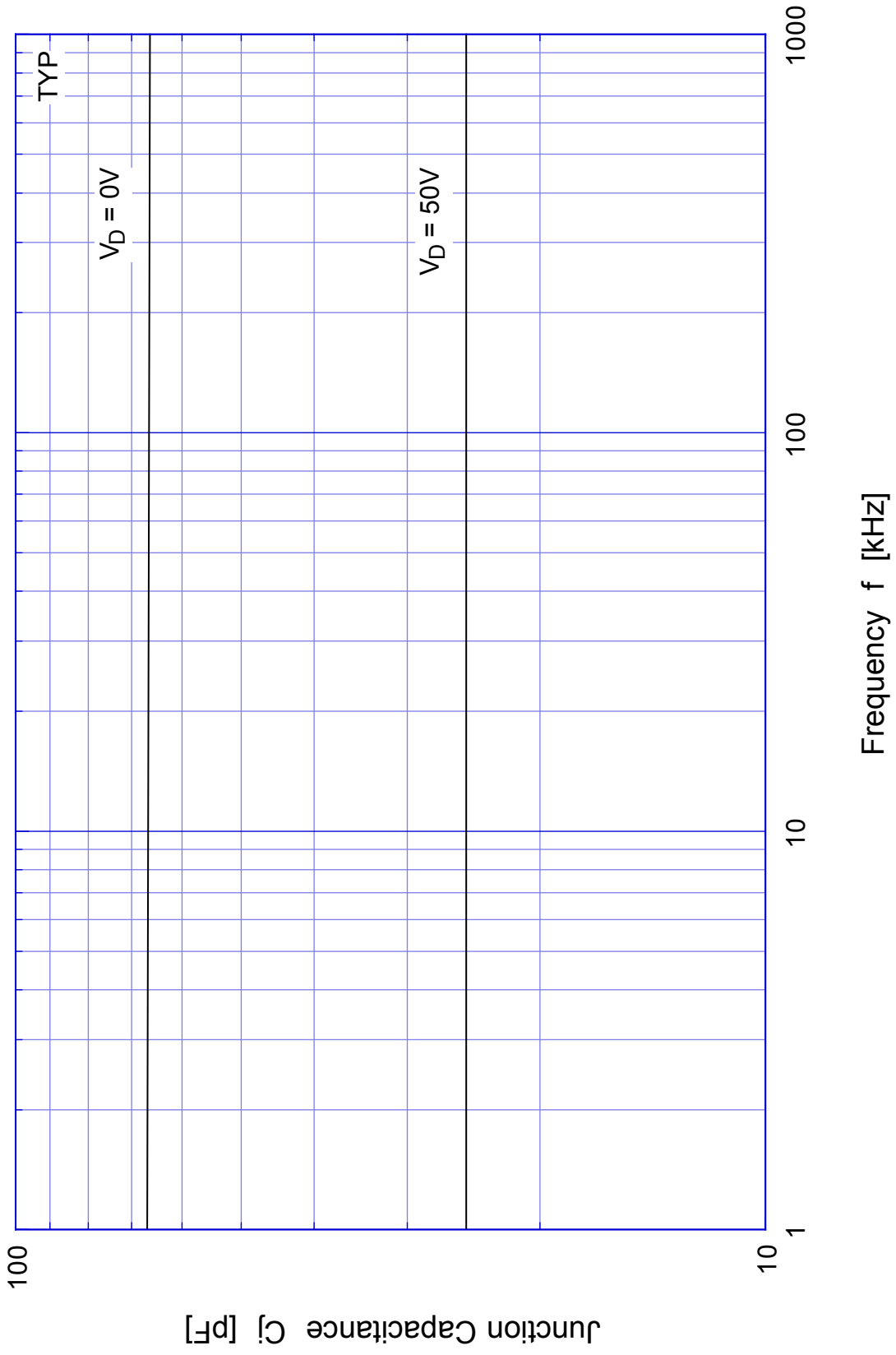
KU10S40N Breakover Voltage - Junction Temperature



KU10S40N Holding Current - Junction Temperature



KU10S40N Junction Capacitance



KU10S40N Junction Capacitance

