

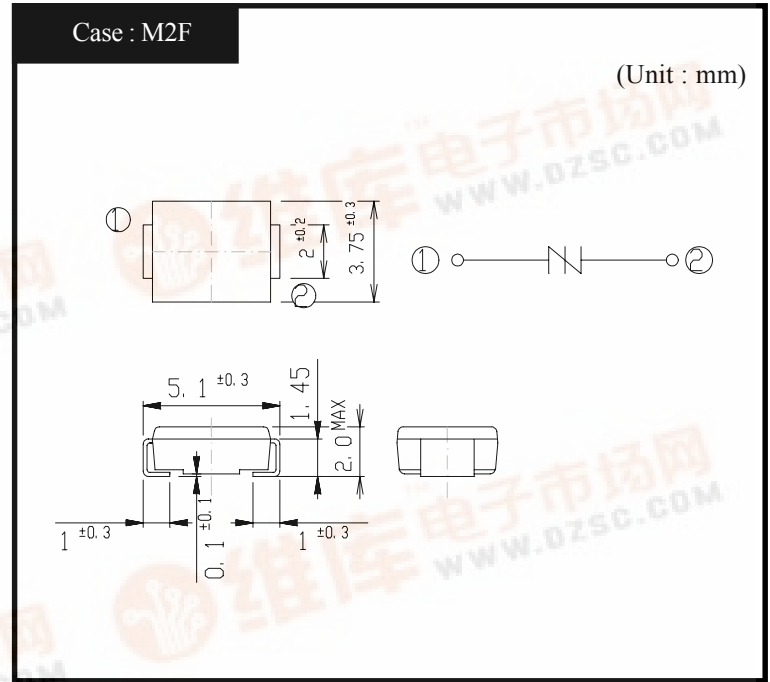
SHINDENGEN

TSS KU Series

SMD

KU5N12

OUTLINE DIMENSIONS



RATINGS

●Absolute Maximum Ratings

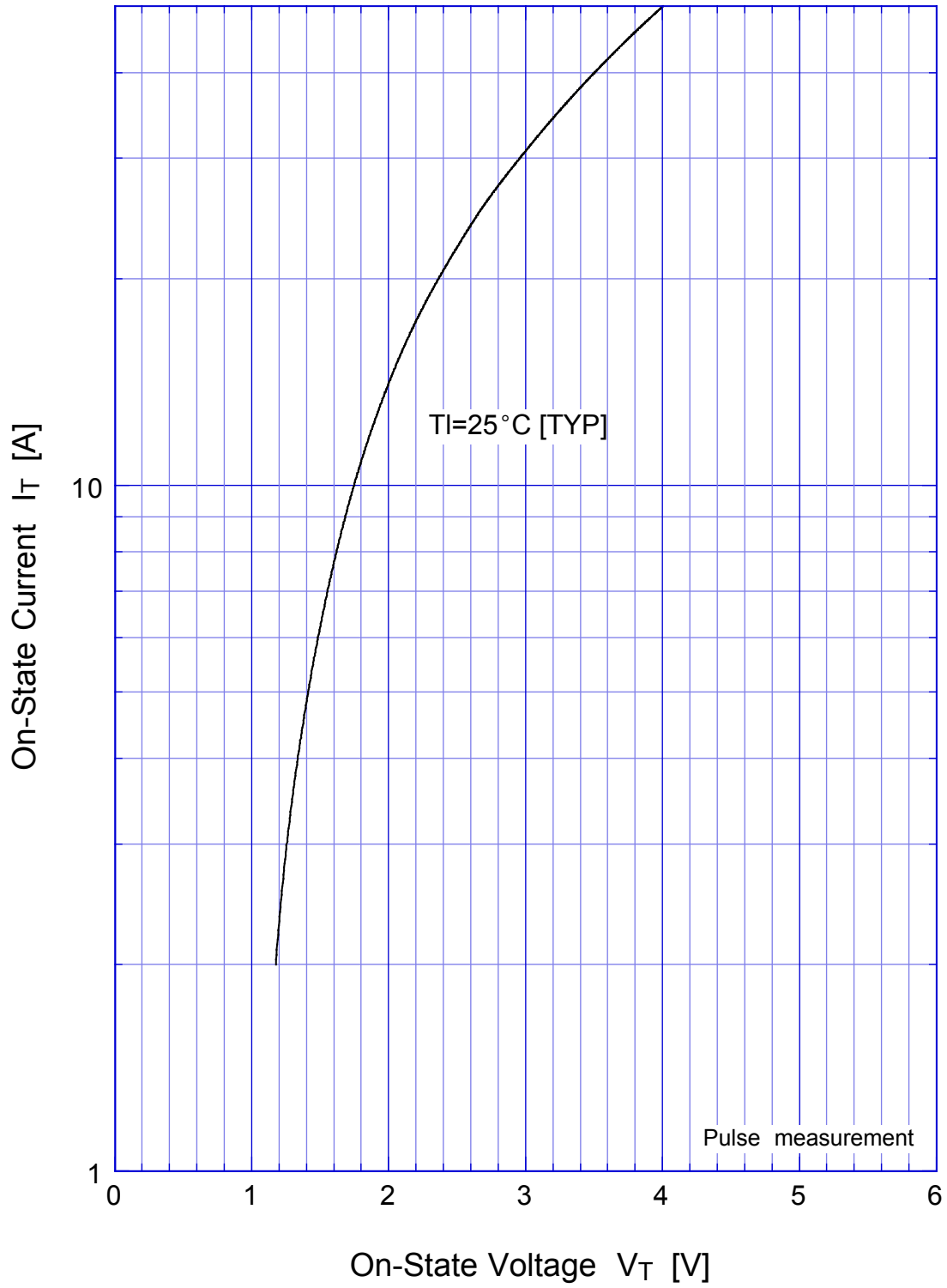
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~125	°C
Junction Temperature	T _j		125	°C
Operating Temperature	T _{op}		-40~70	°C
Maximum Off-State Voltage	V _{DRM}		100	V
Surge On-State Current	I _{TSM}	Pluse-waveform 10/1000 μ s, Non-repetitive	50	A

●Electrical Characteristics (T_c=25°C)

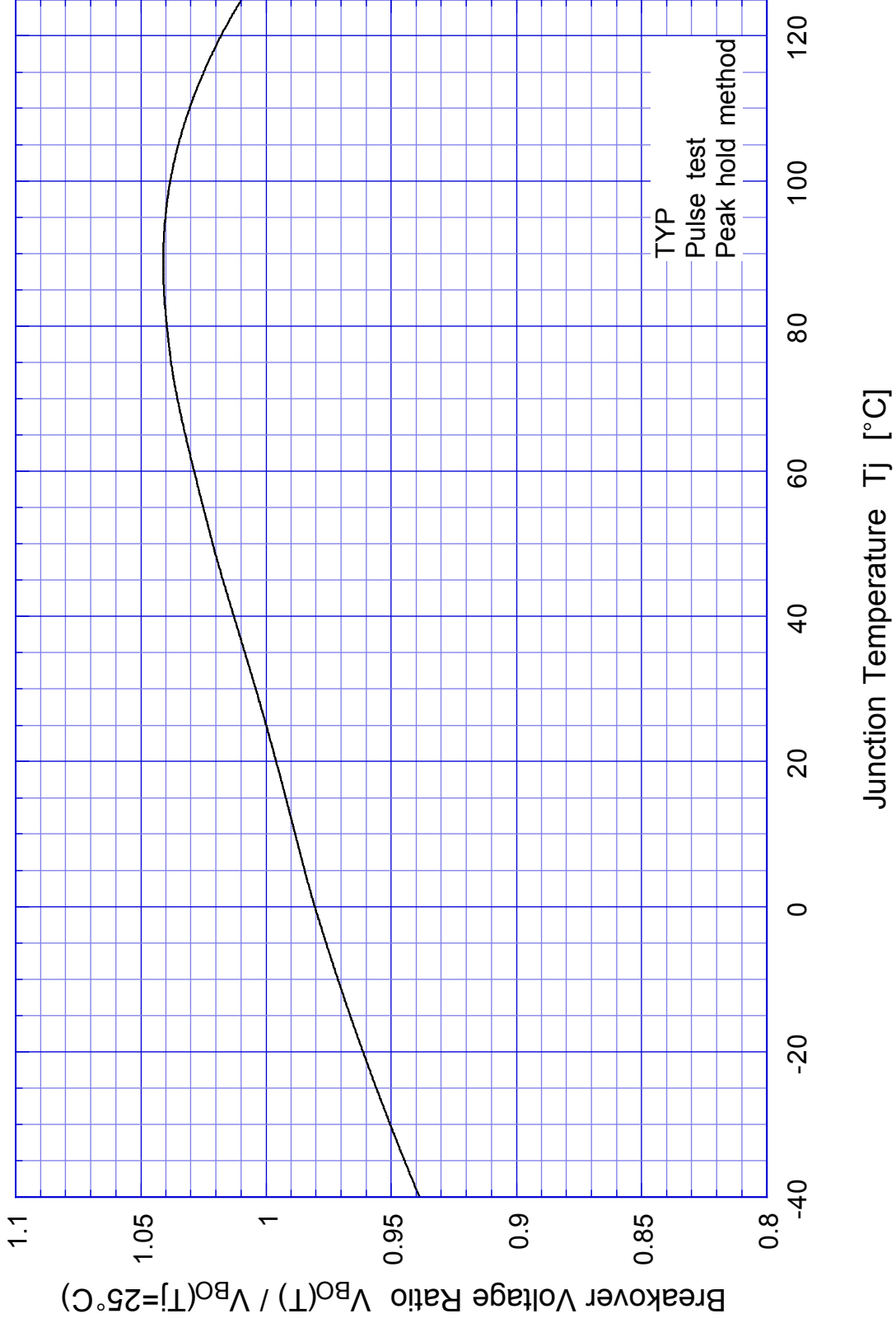
Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V _{BO}	dv/dt=8V/ms (Peak hold)	Min 110	V
Off-State Current	I _{DRM}	V _D = V _{DRM}	Max 5	μ A
Holding Current	I _H	Pulse measurement	Min 150(100)	mA
On-State Voltage	V _T	I _T = 2A	TYP 1.25	V
Capacitance	C _j	f = 1MHz OSC = 1Vrms, DC = 50V	Max 50	pF



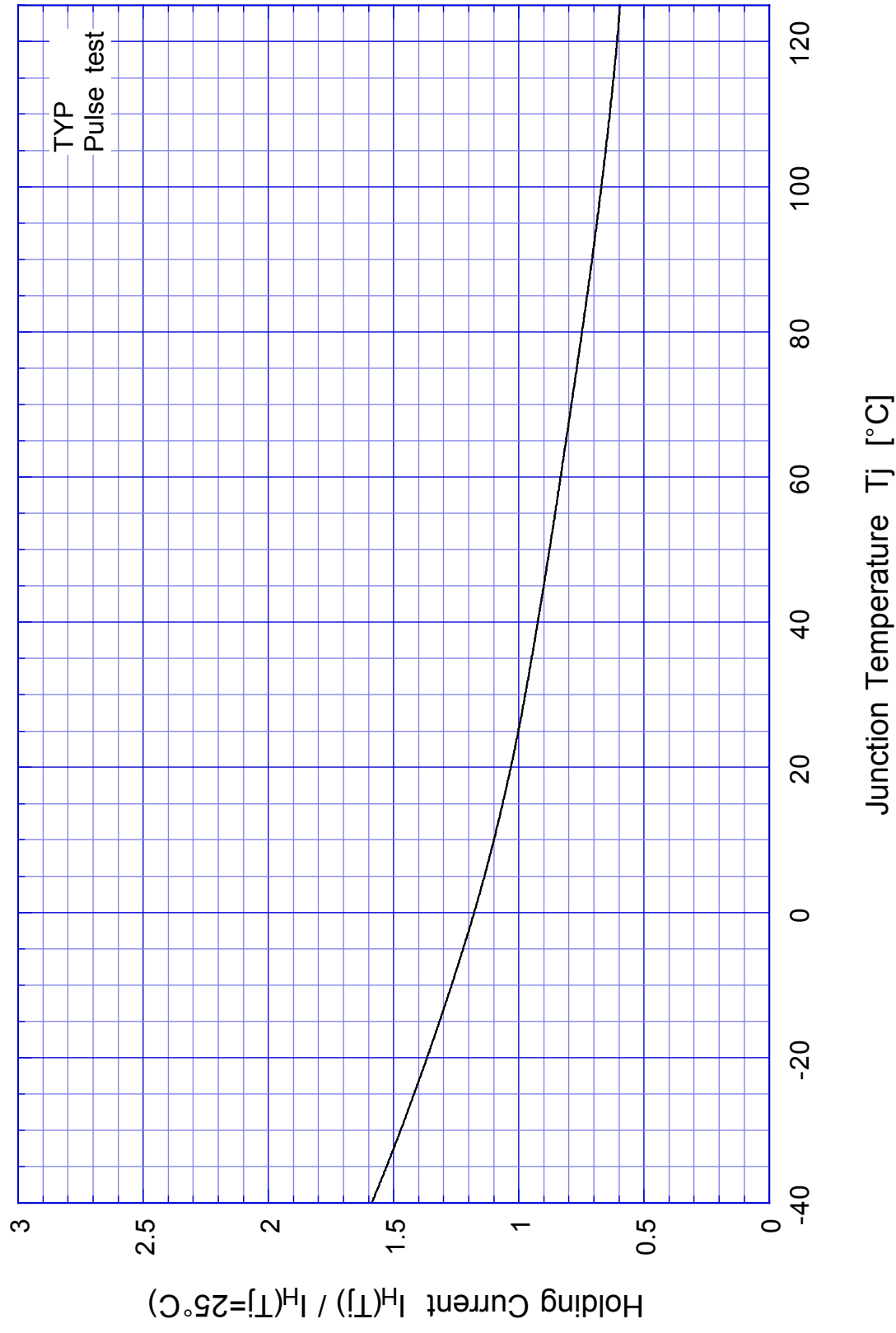
KU5N12 On-State Voltage - On-State Current



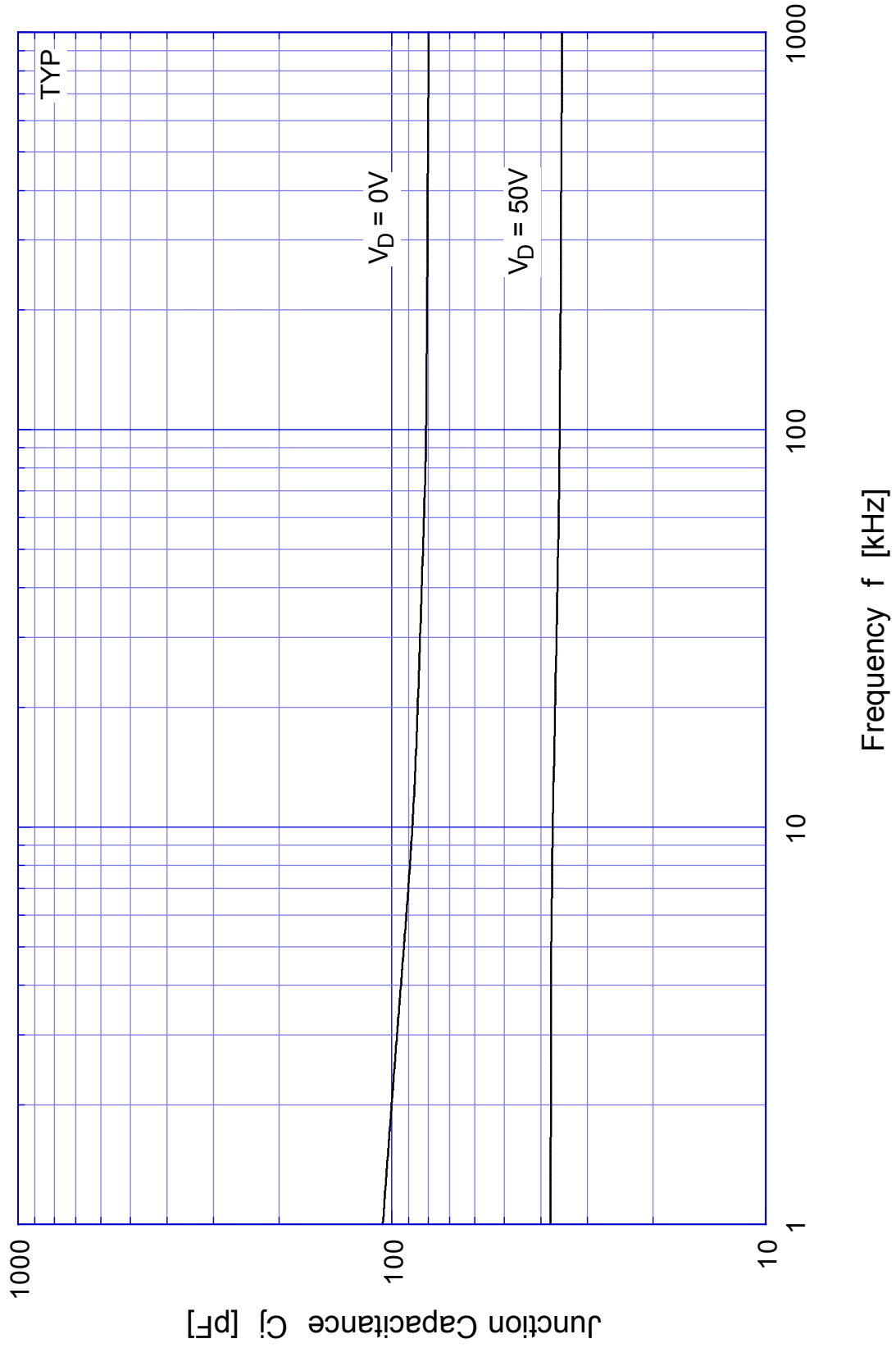
KU5N12 Breakover Voltage - Junction Temperature



KU5N12 Holding Current - Junction Temperature



KU5N12 Junction Capacitance



KU5N12 Junction Capacitance

