

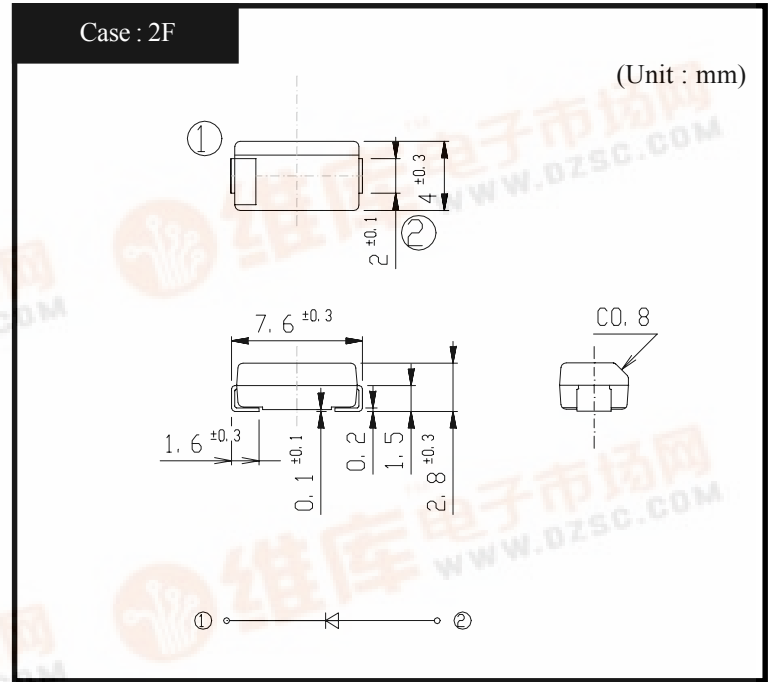
SHINDENGEN

TSS KP Series

SMD

KP10LU07

OUTLINE DIMENSIONS



RATINGS

●Absolute Maximum Ratings

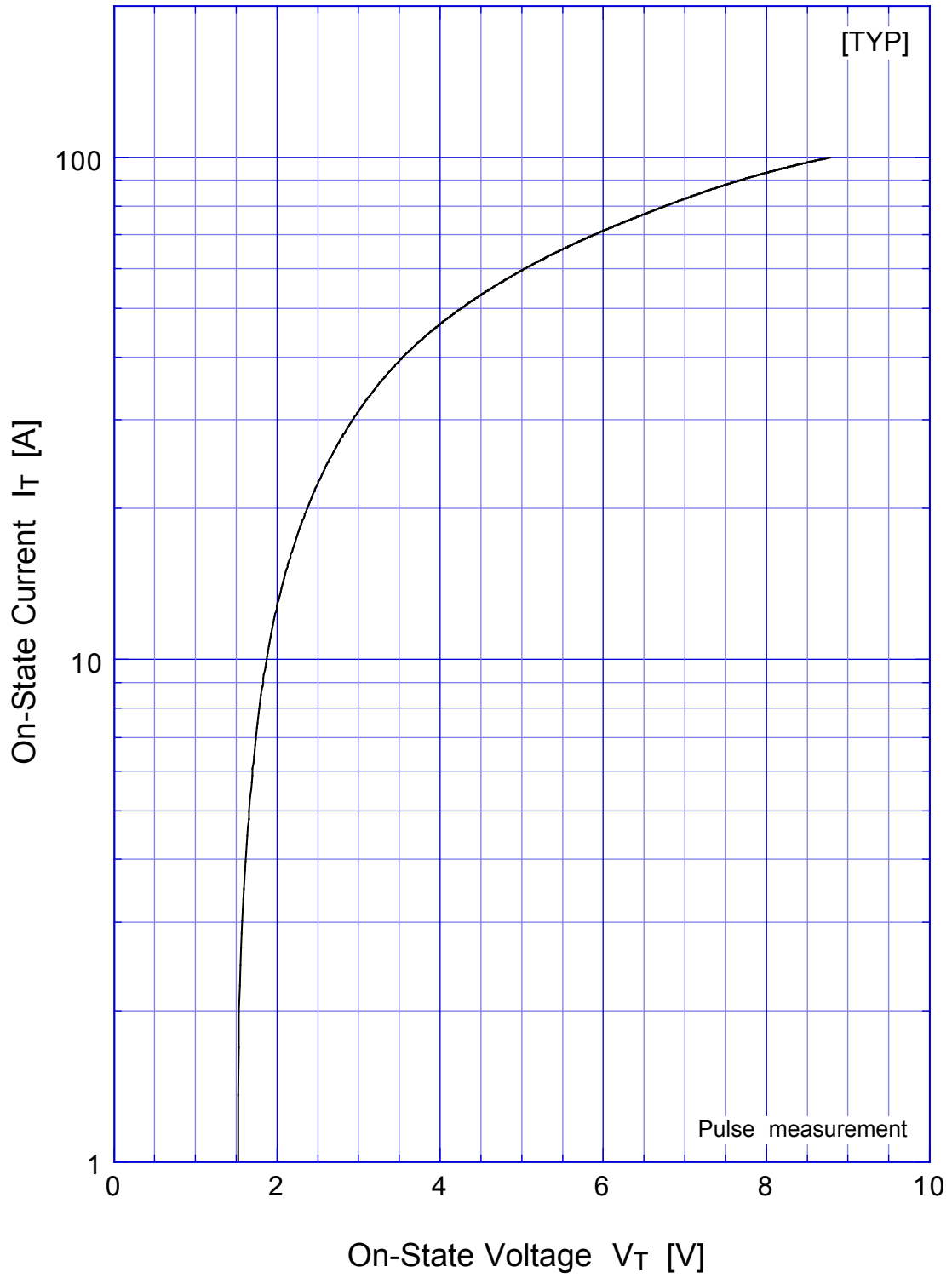
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~125	°C
Junction Temperature	T _j		125	°C
Maximum Off-State Voltage	V _{DRM}		58	V
Surge On-State Current	I _{TSM}	10/1000 μs, Non-repetitive	100	A
		8/20 μs, Non-repetitive	250	
Surge On-State Current	I _{FSM}	10/1000 μs, Non-repetitive	100	

●Electrical Characteristics (T_I=25°C)

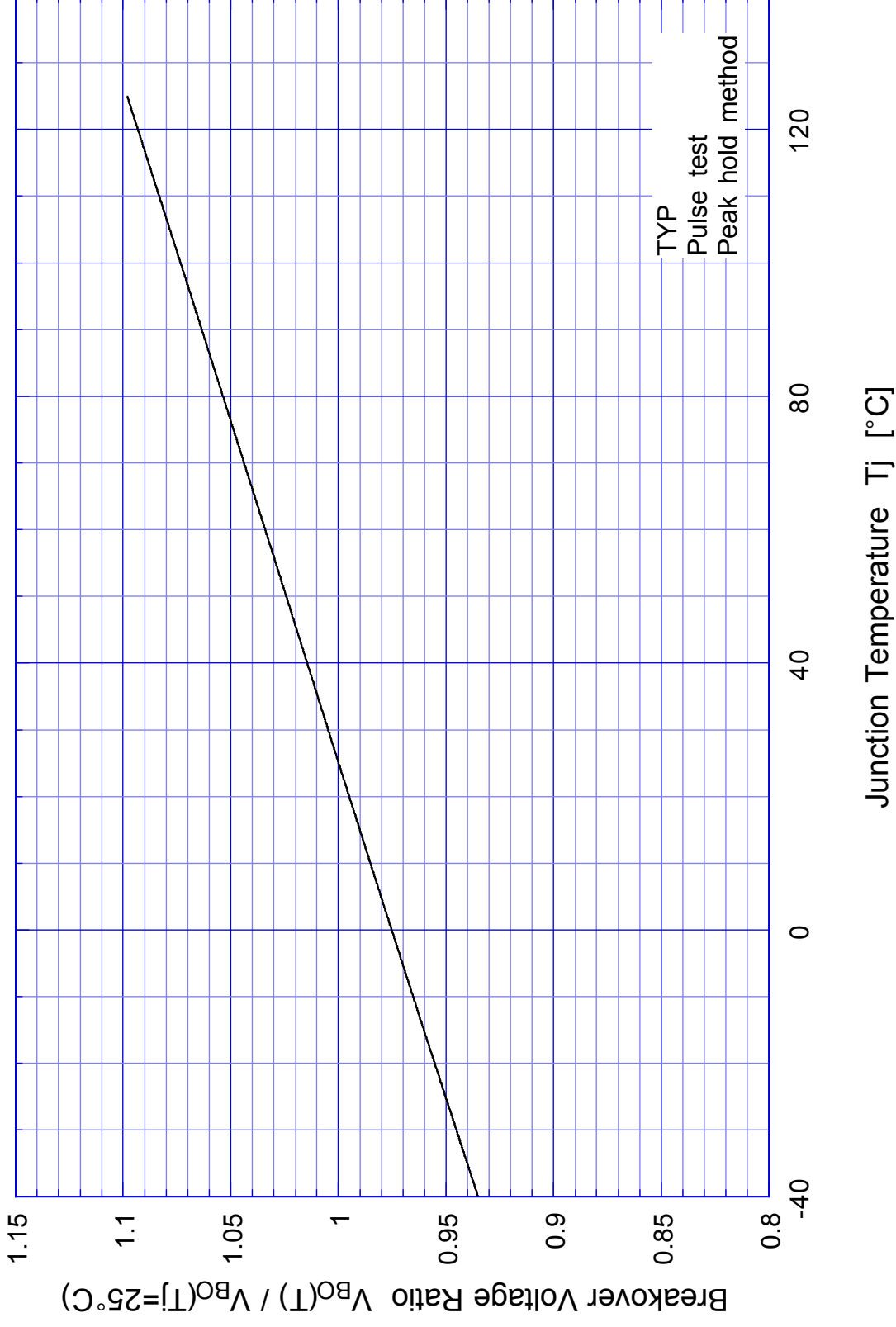
Item	Symbol	Conditions	Ratings	Unit
Breakdown Voltage	V _{BR}	I _{BR} =1mA	Min 65	V
Off-State Current	I _{DRM}	V _D = V _{DRM}	Max 10	μA
Holding Current	I _H	Pulse measurement	Min 100	mA
On-State Voltage	V _T	I _T = 2A	TYP 2.0	V
Forward Voltage	V _F	I _F = 2A	TYP 1.25	V
Junction Capacitance	C _j	f = 1kHz OSC = 20mV, V _D = 50V	Max 100	pF
Clamping Voltage	V _{CL}	dv/dt = 100V/μs	Max 80	V



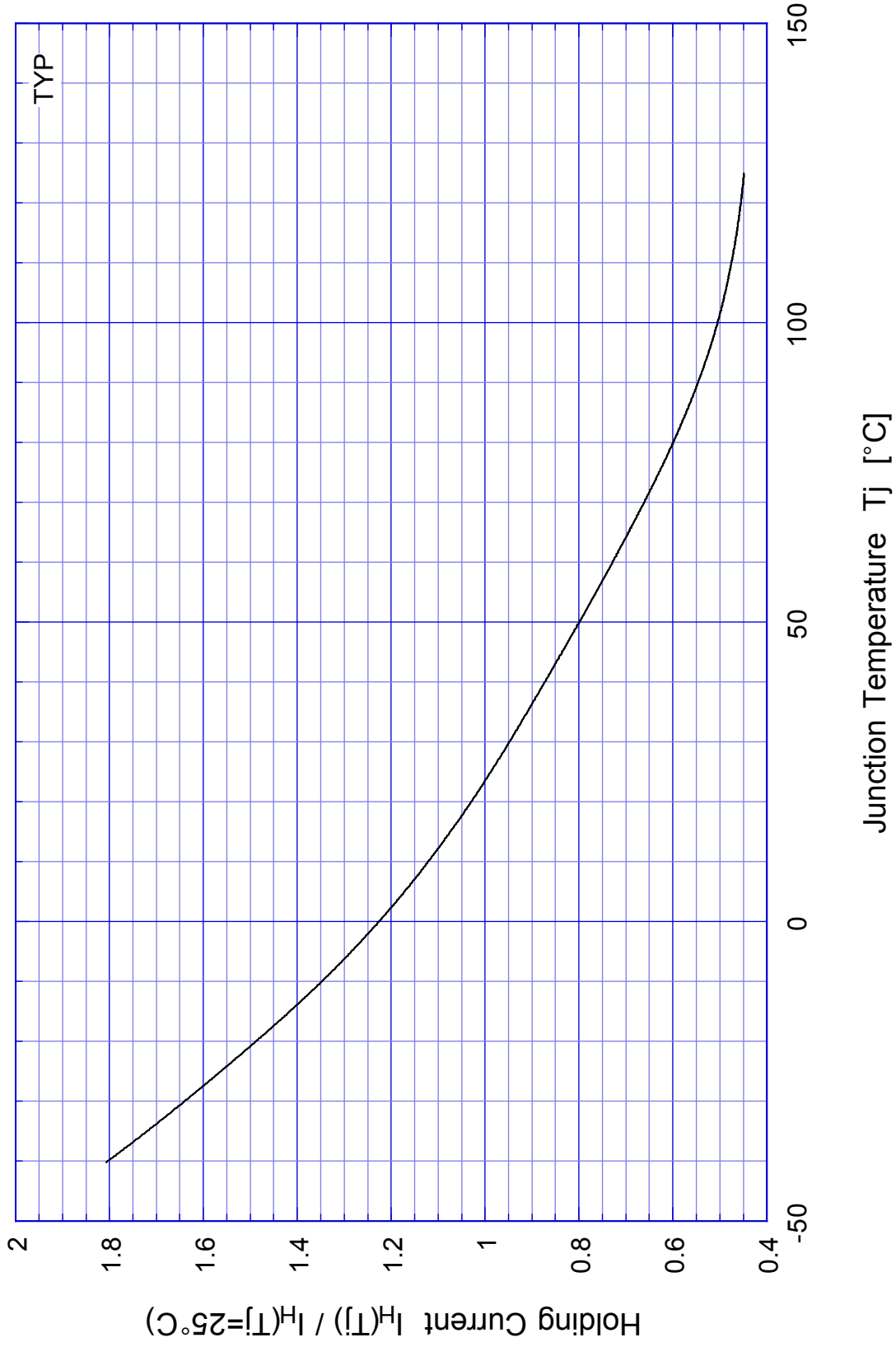
KP10LU07 On-State Voltage - On-State Current



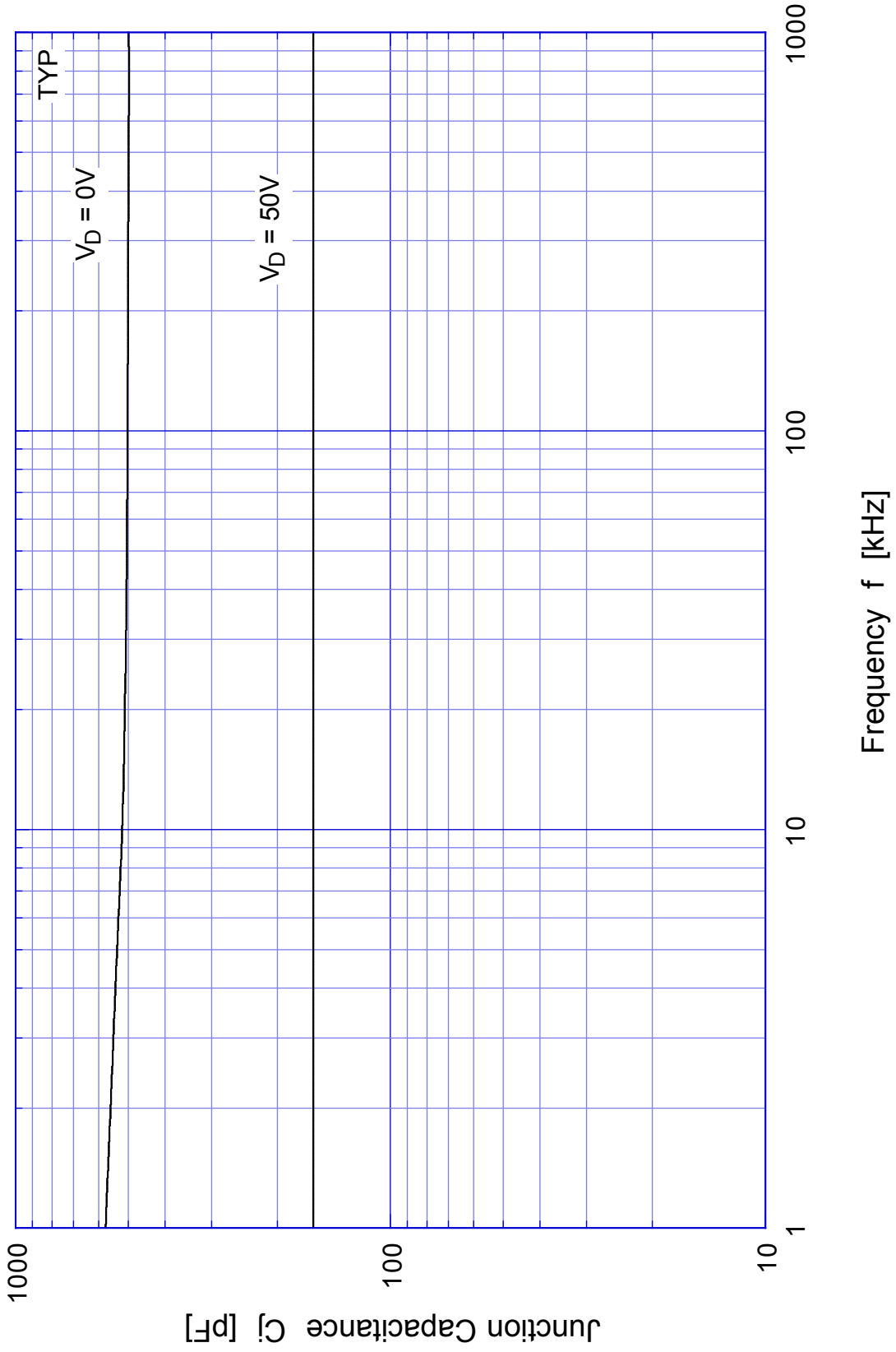
KP10LU07 Breakover Voltage - Junction Temperature



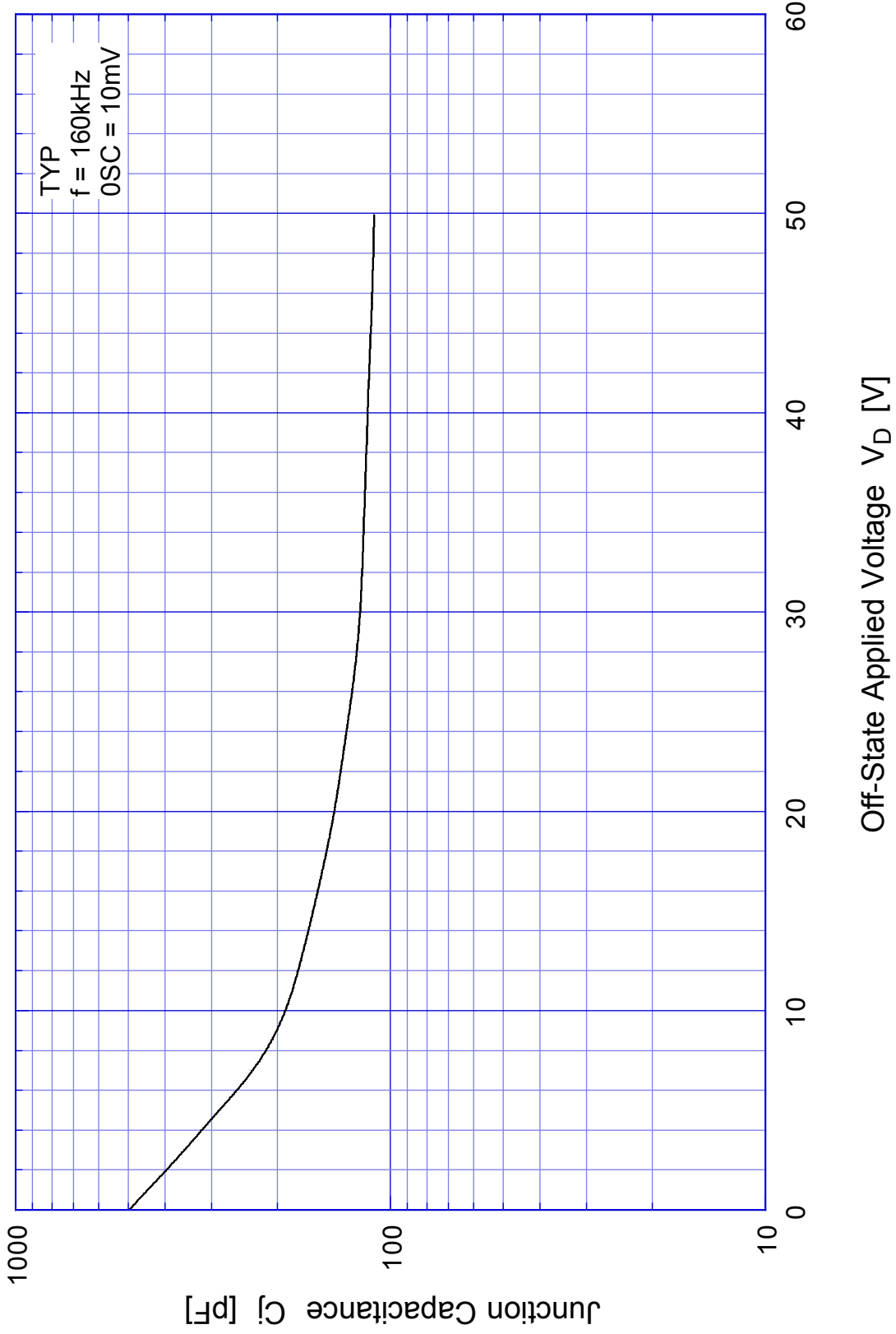
KP10LU07 Holding Current - Junction Temperature



KP10LU07 Junction Capacitance



KP10LU07 Junction Capacitance



KP10LU07

Clamping Voltage

