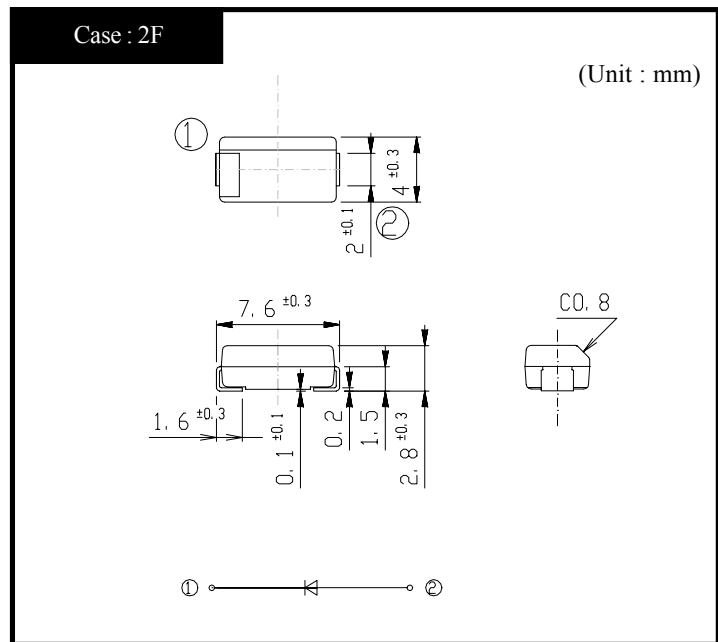


KP10LU07

OUTLINE DIMENSIONS



RATINGS

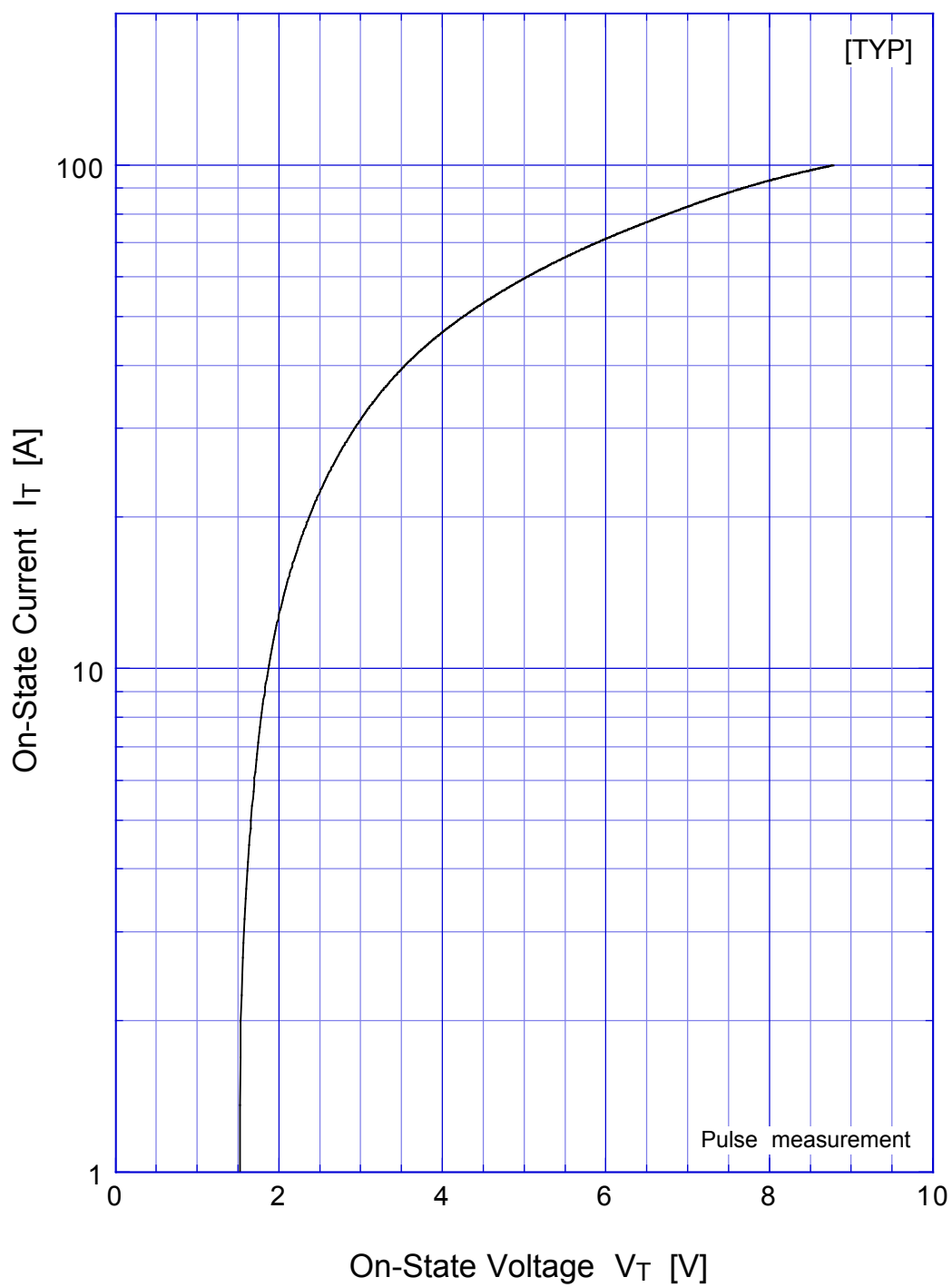
● Absolute Maximum Ratings

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 μ s, Non-repetitive	100	A
		8/20 μ s, Non-repetitive	250	
Surge On-State Current	I_{FSM}	10/1000 μ s, Non-repetitive	100	

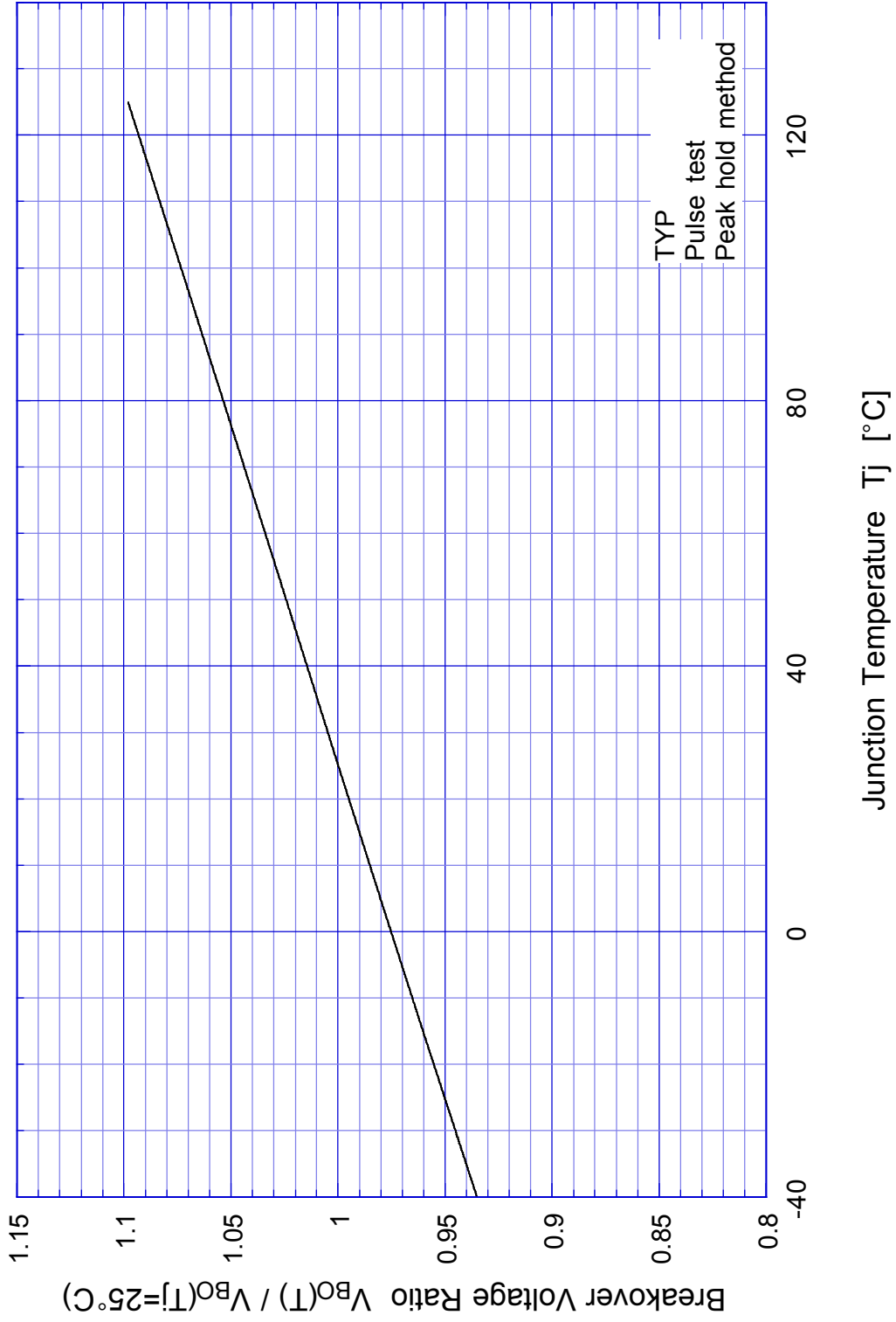
● Electrical Characteristics (Tl=25°C)

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	μ A
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/ μ s	Max 80	V

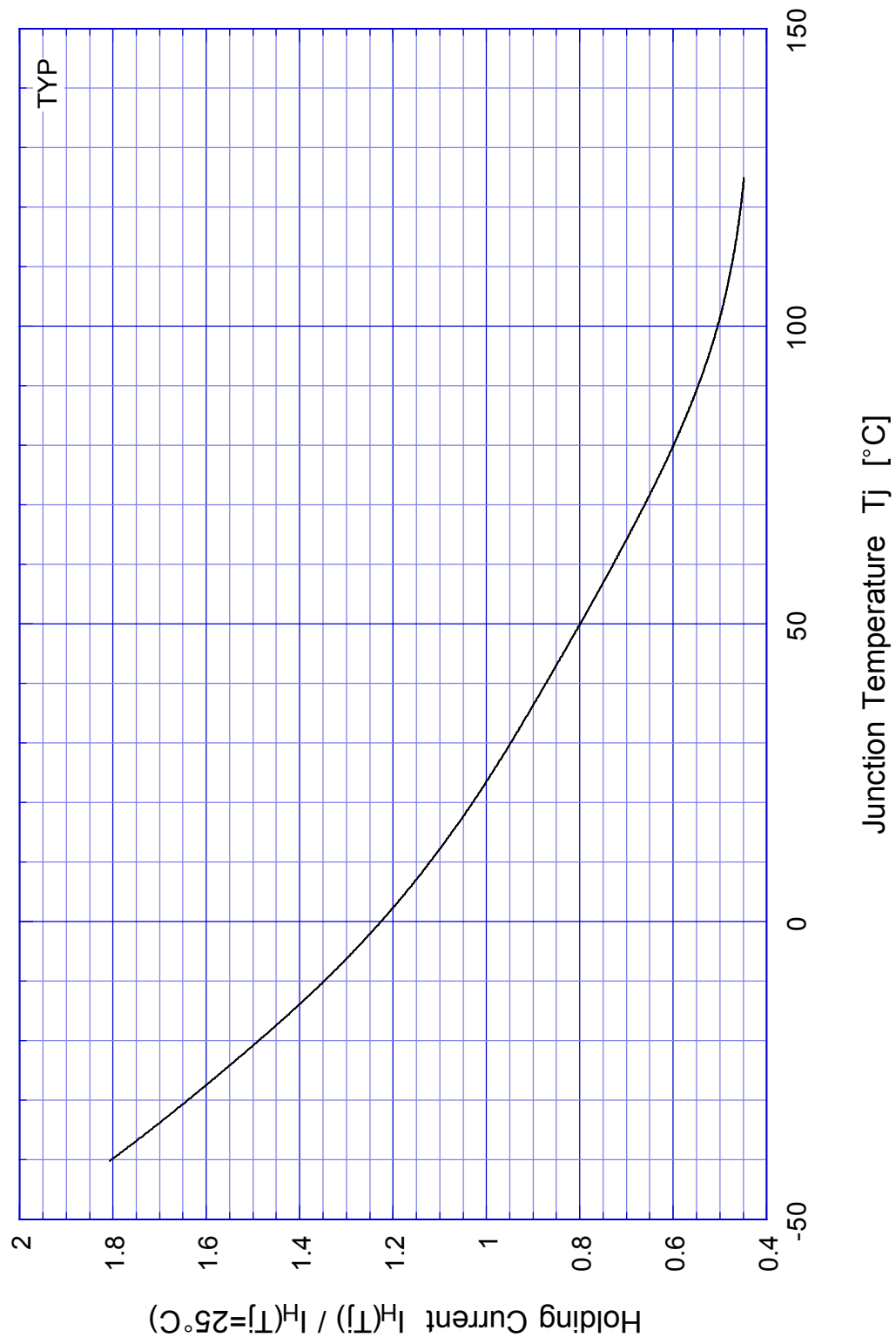
KP10LU07 On-State Voltage - On-State Current



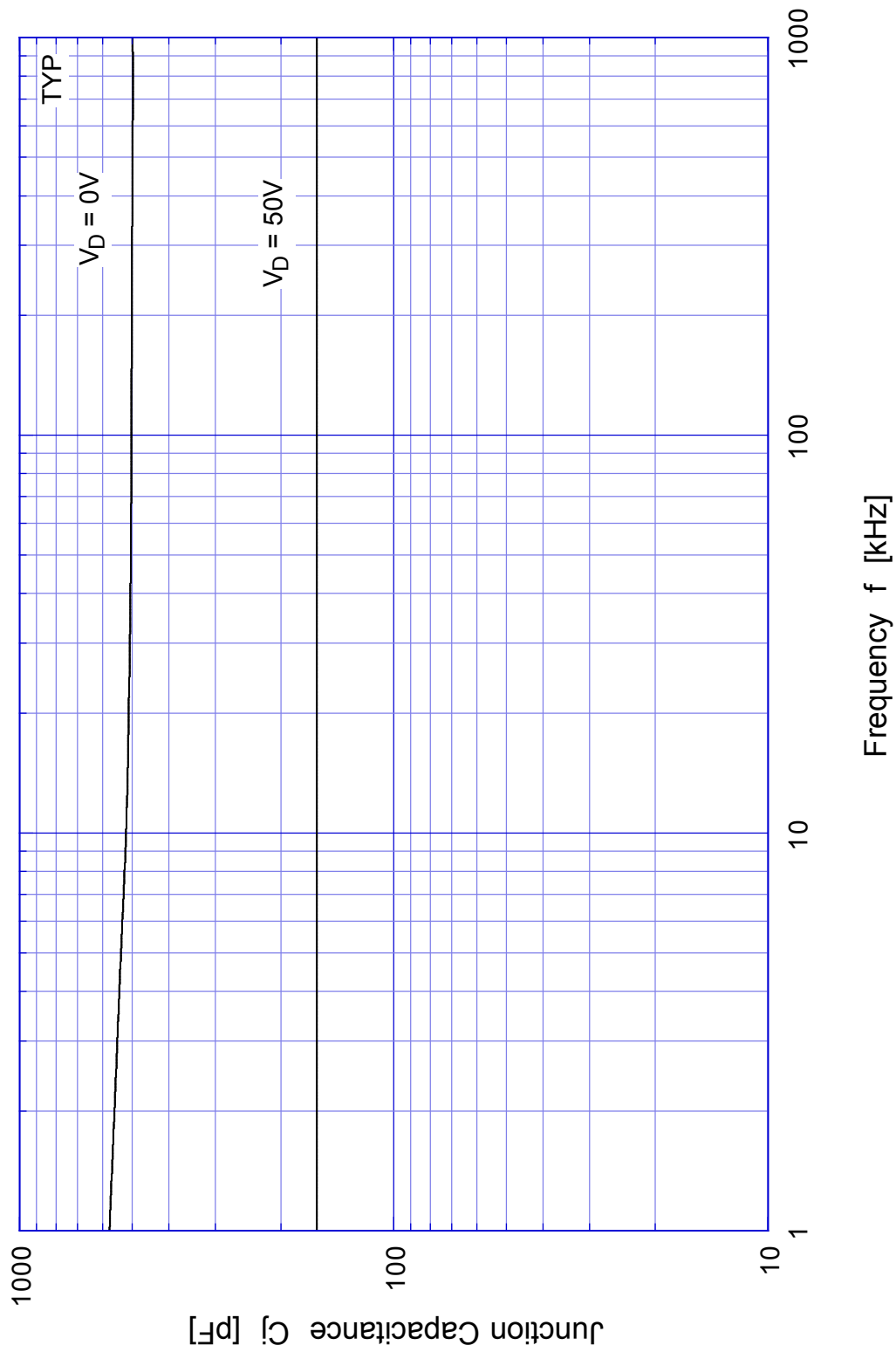
KP10LU07 Breakover Voltage - Junction Temperature



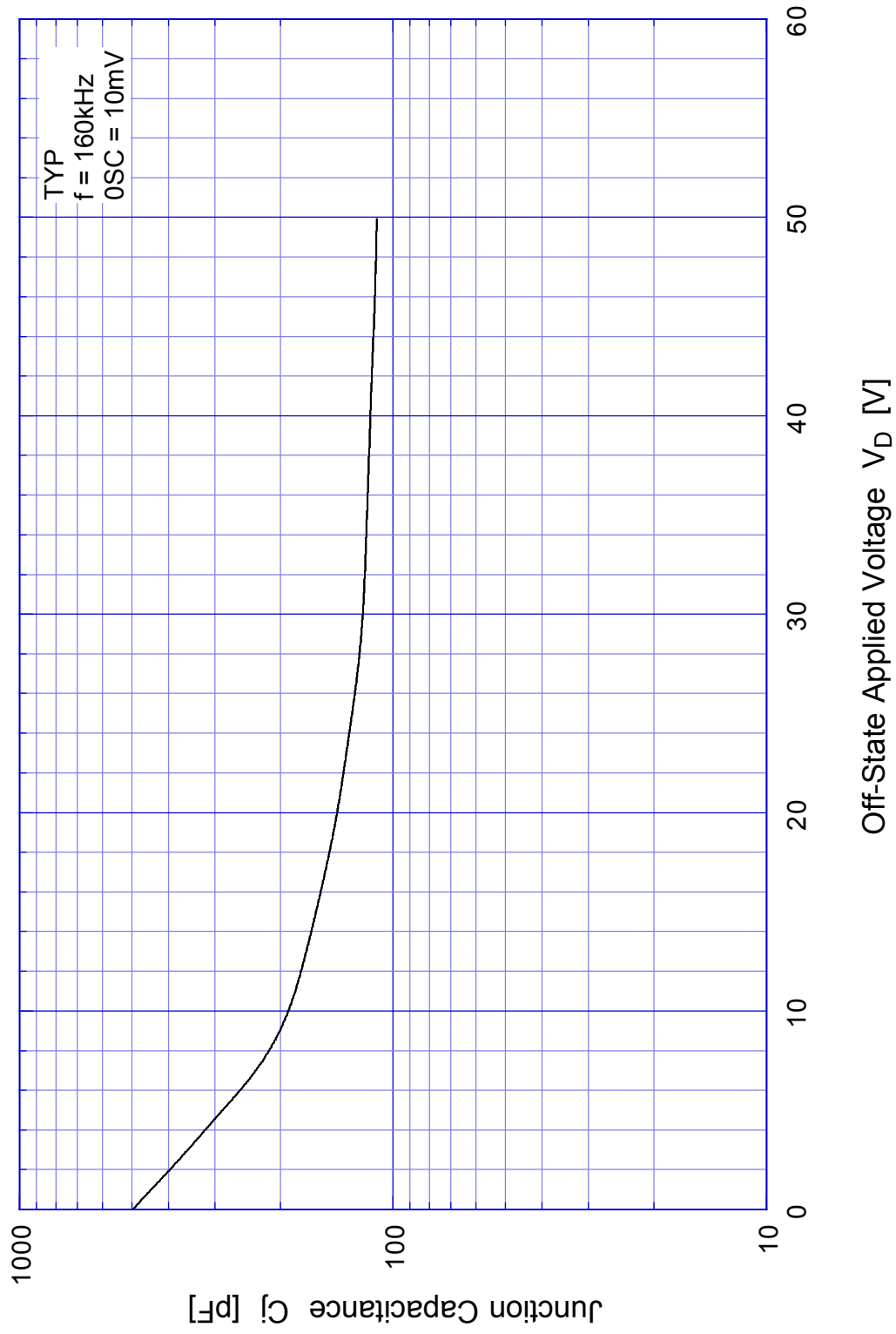
KP10LU07 Holding Current - Junction Temperature



KP10LU07 Junction Capacitance



KP10LU07 Junction Capacitance



KP10LU07 Clamping Voltage

