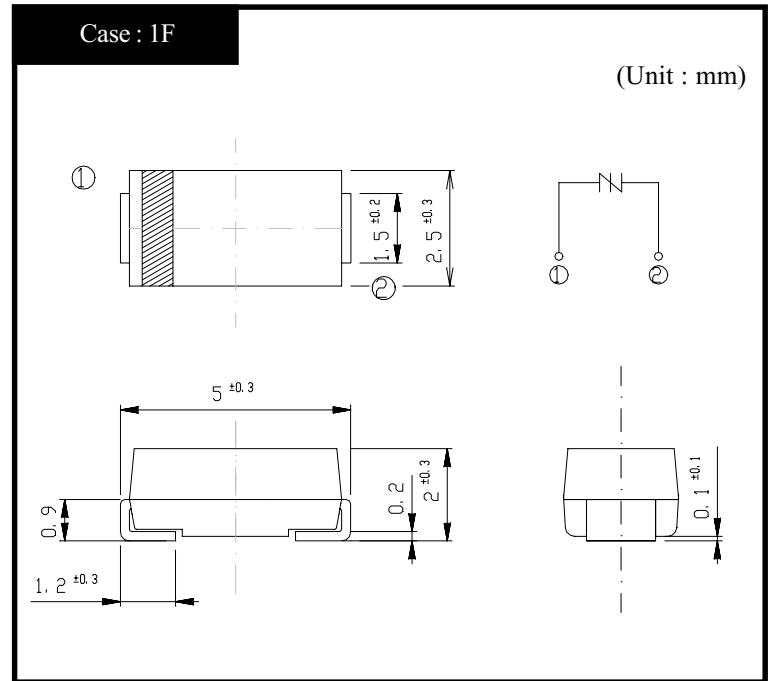


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OUTLINE DIMENSIONS



RATINGS

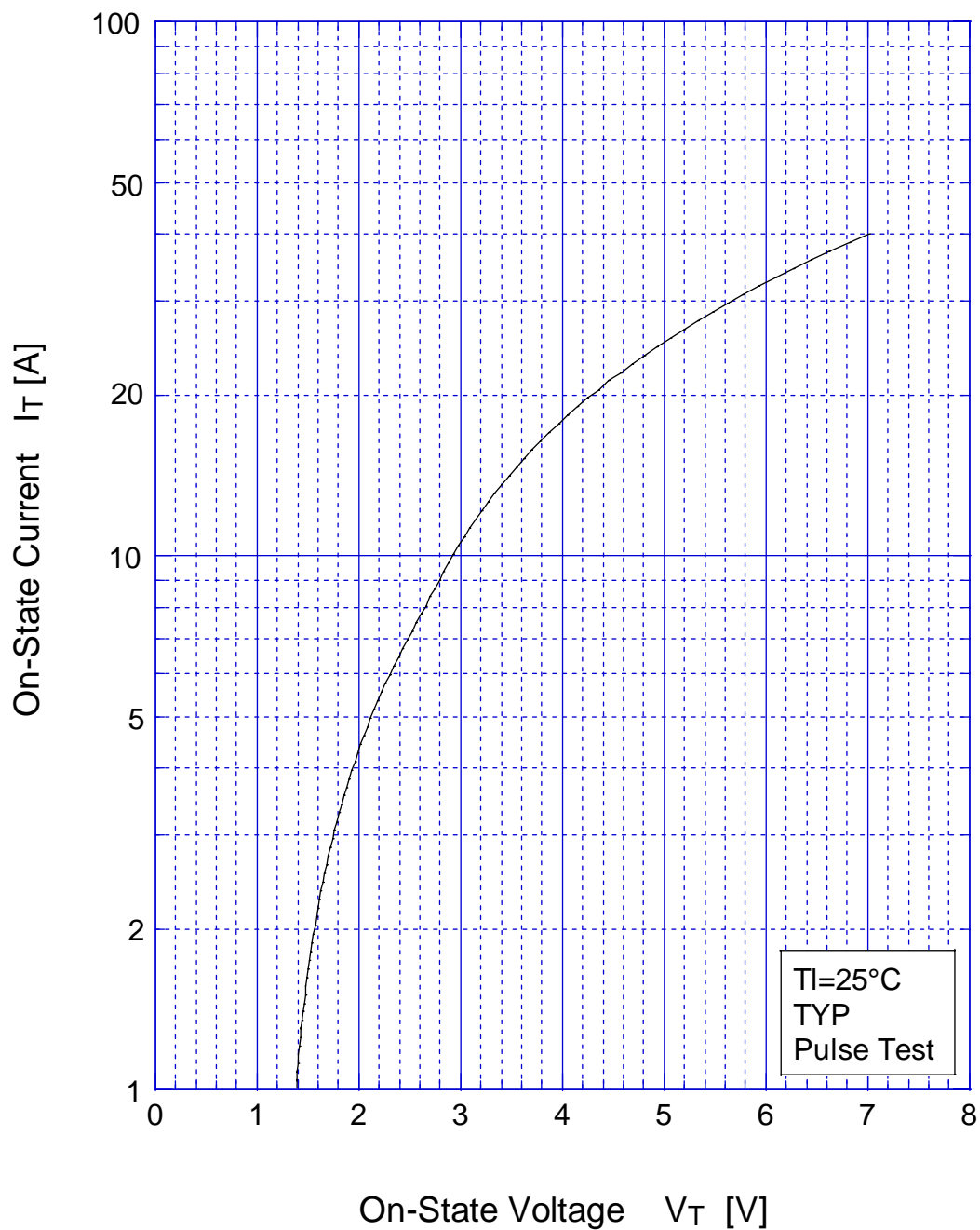
● Absolute Maximum Ratings

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	30	A
		8/20 μs, Non-repetitive	100	

● Electrical Characteristics (Tl=25°C)

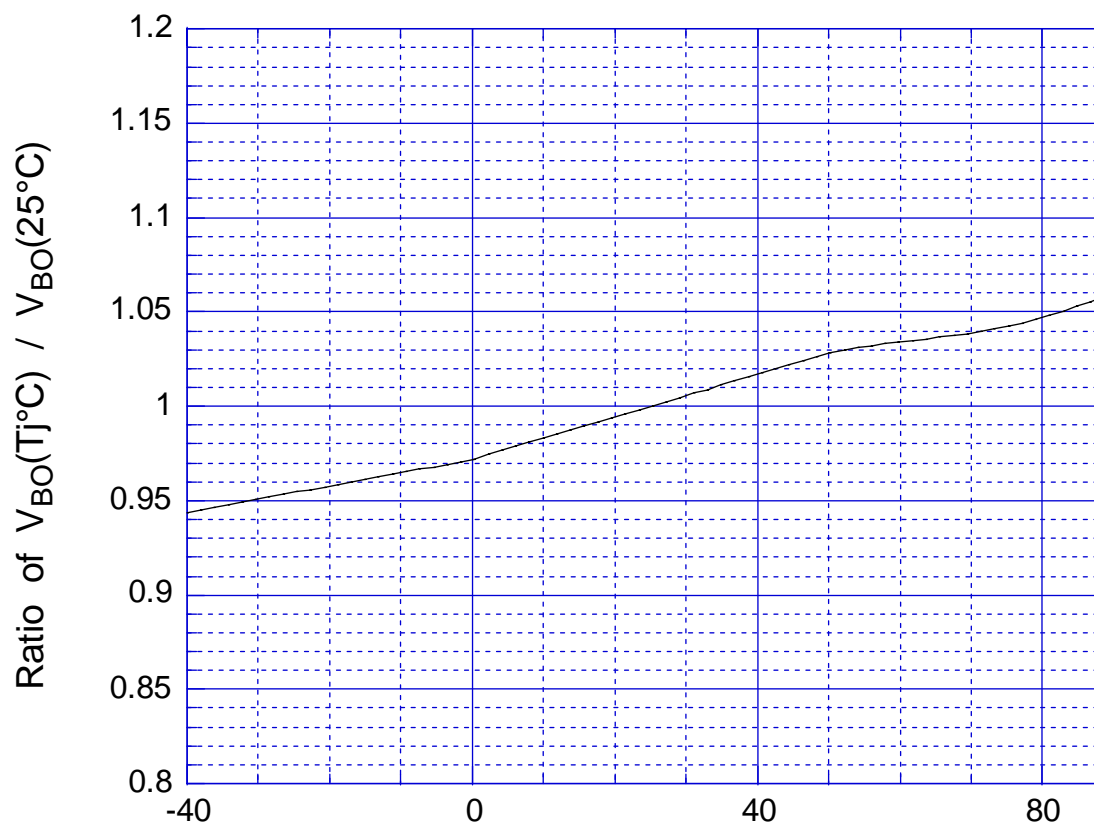
Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V _{BO}	Pulse measurement (Peak hold)	Min 65	V
Off-State Current	I _{DRM}	V _D = V _{DRM}	Max 10	μA
Holding Current	I _H	Pulse measurement	Min 100(180)	mA
On-State Voltage	V _T	I _T = 2A	TYP 1.5	V
Junction Capacitance	C _j	f = 1kHz OSC = 1V, V _D = 50V	Max 90	pF
Clamping Voltage	V _{CL}	dv/dt = 100V/μs	Max 80	V

KL3L07 On-State Voltage - On-State Current



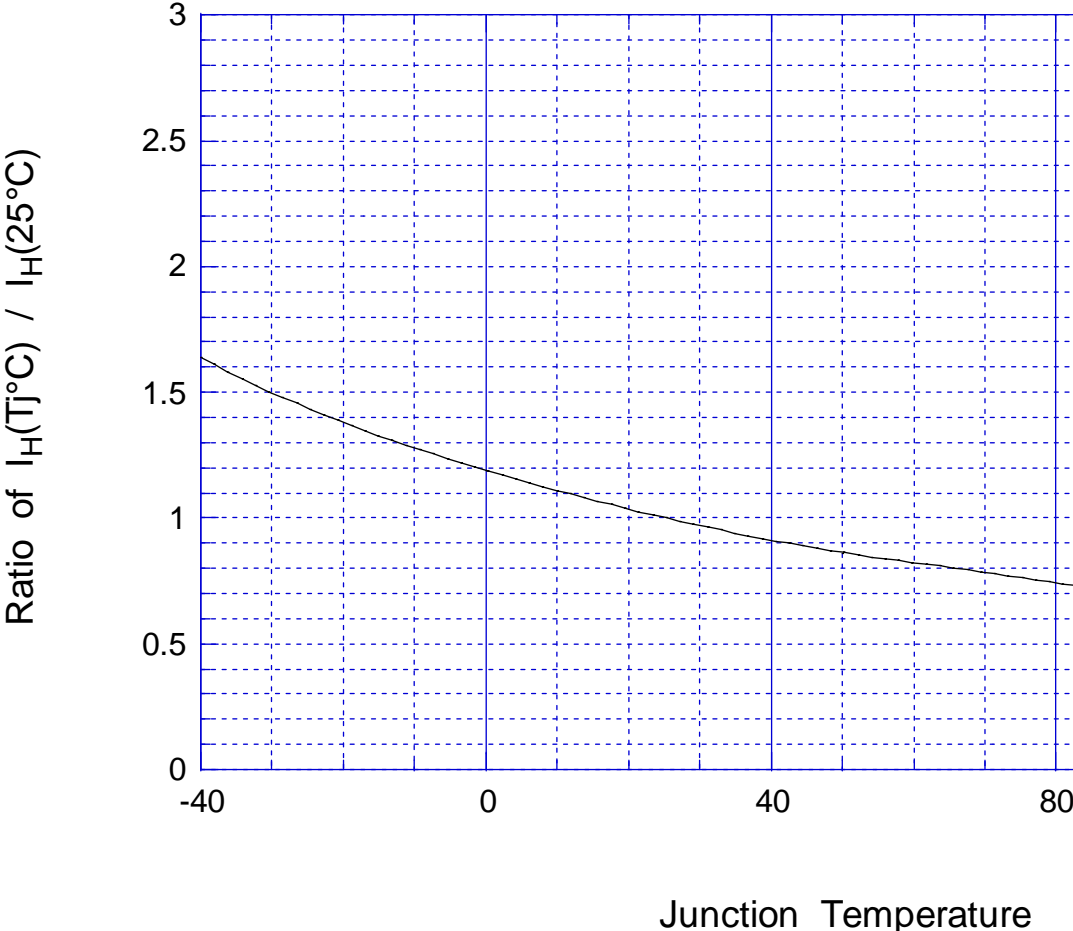
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Break Over Voltage - Junction

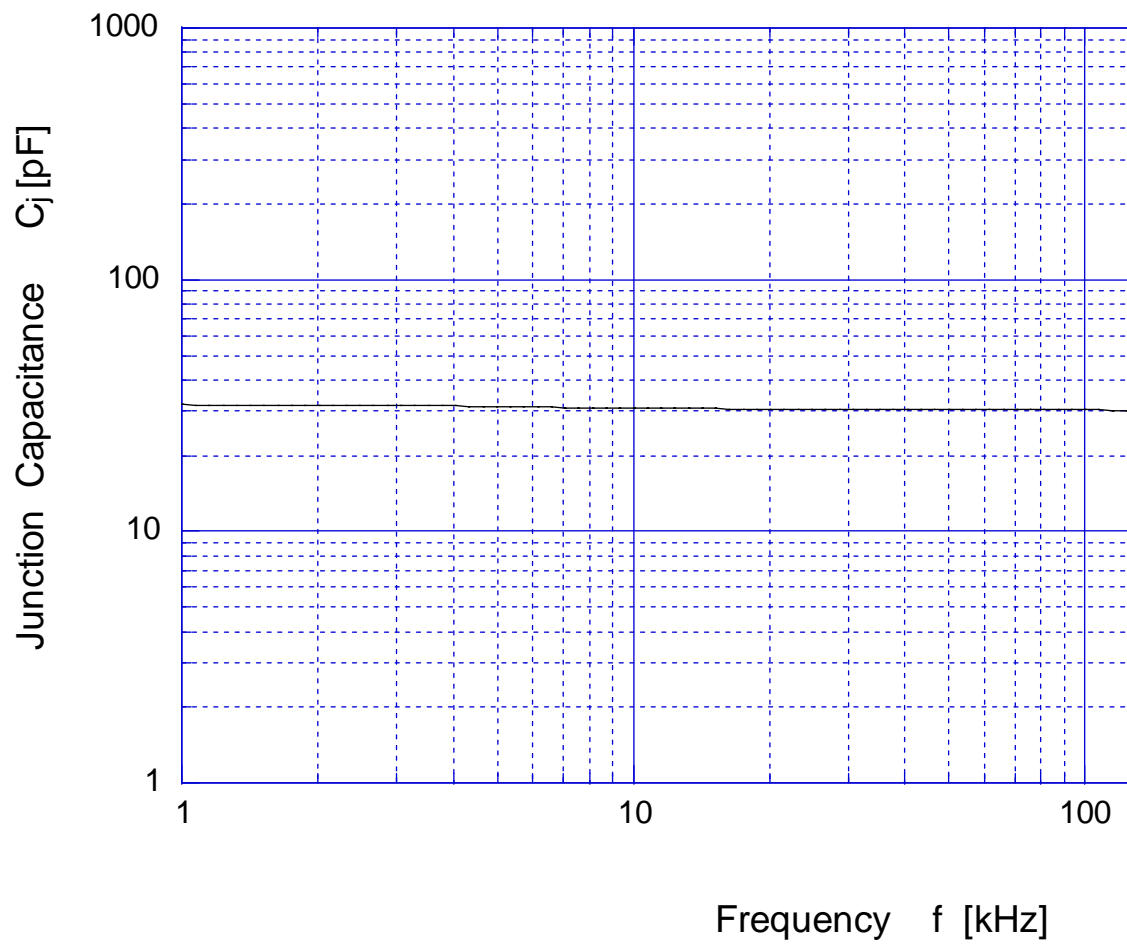


Junction Temperature T_j

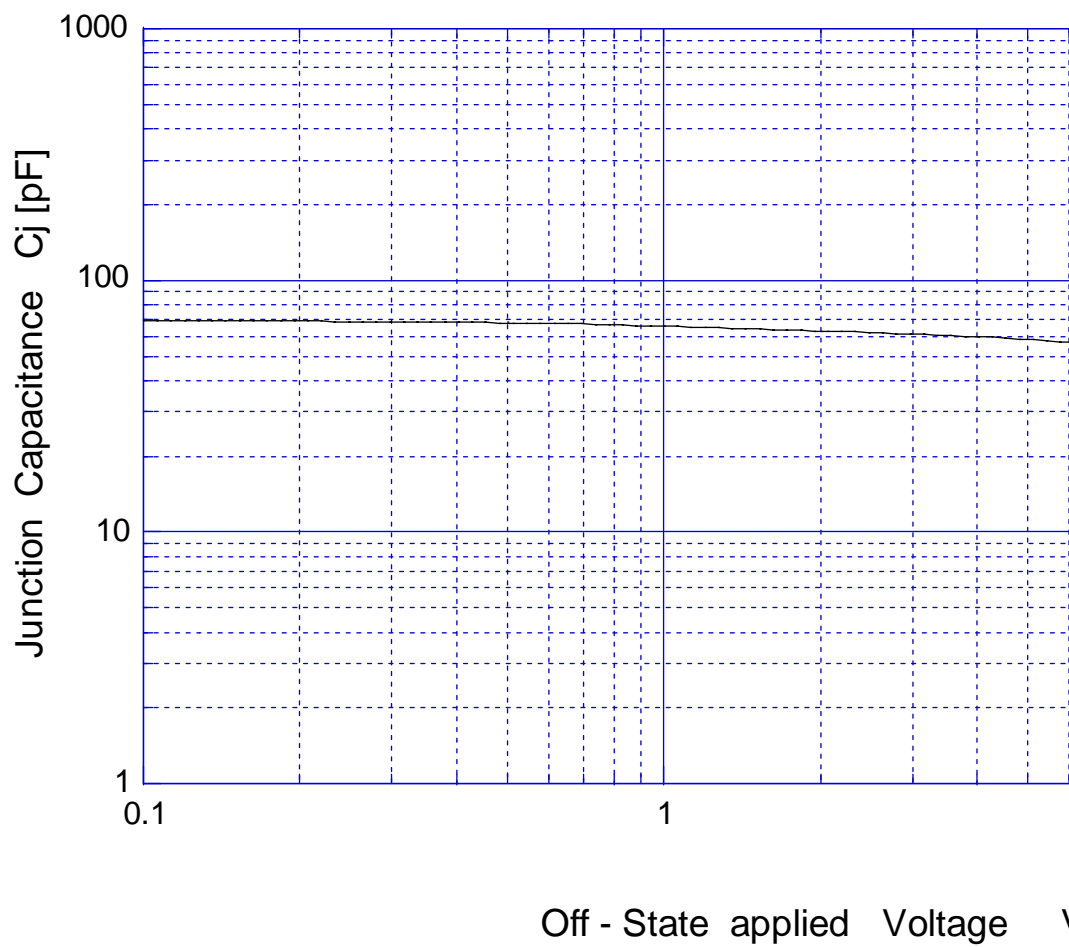
KL3L07 Holding Current - Junction



KL3L07 Junction Capacitance



KL3L07 Junction Capacitance



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