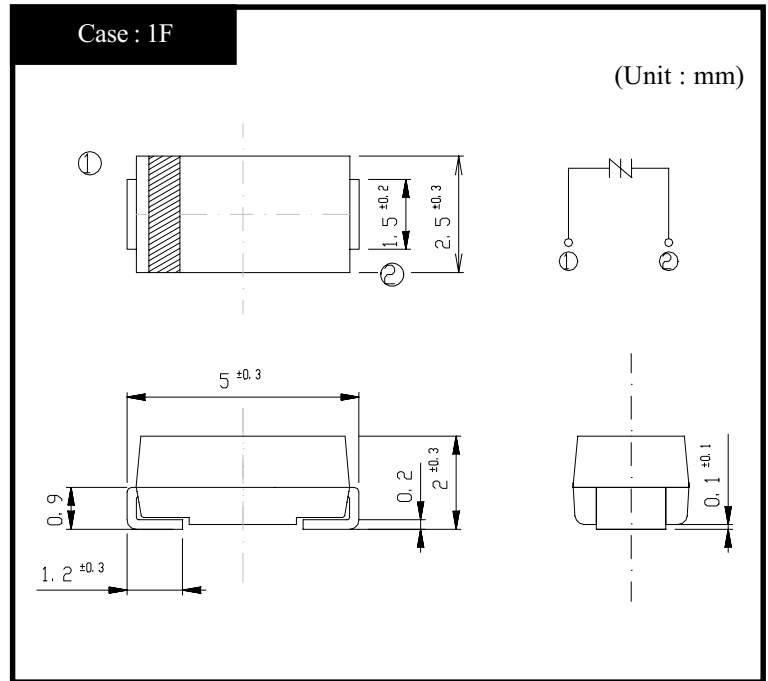


KL3R20

OUTLINE DIMENSIONS



RATINGS

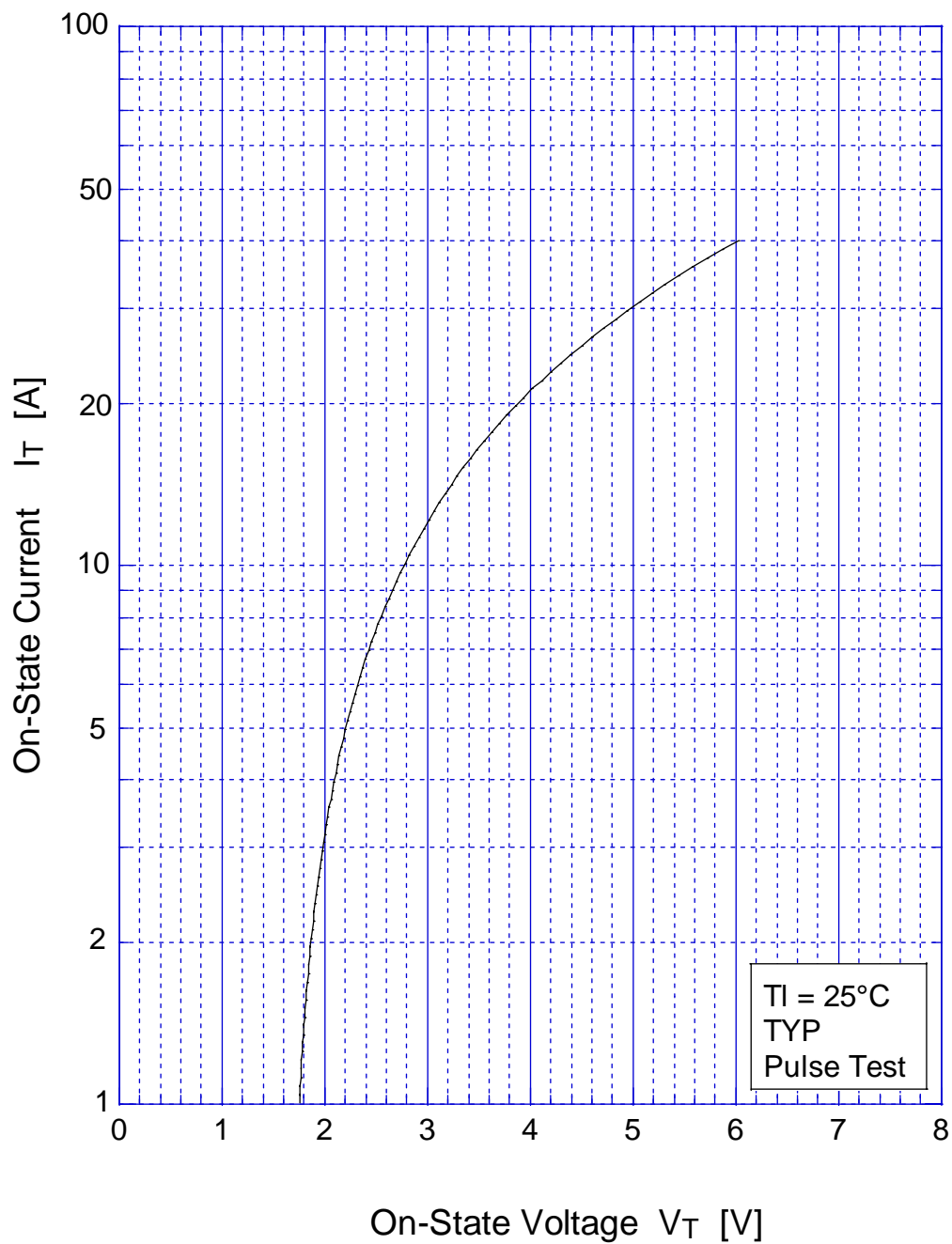
● Absolute Maximum Ratings

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~125	°C
Junction Temperature	T _j		125	°C
Maximum Off-State Voltage	V _{DRM}		175	V
Surge On-State Current	I _{TSM}	10/1000 μs, Non-repetitive	30	A
		8/20 μs, Non-repetitive	100	
Critical Rate of Rise of Off-State Voltage	dv/dt	V _{BO(min)} / 0.63	1.5	kV/μs

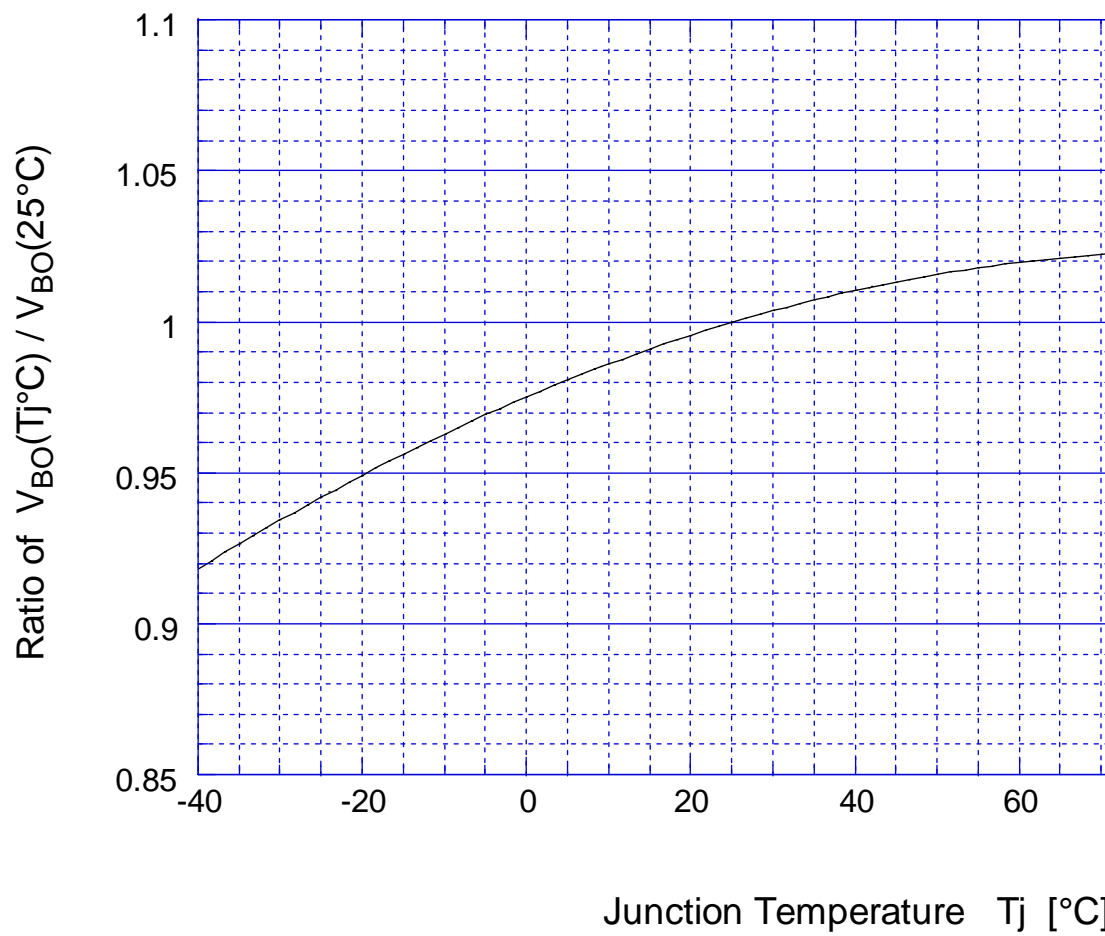
● Electrical Characteristics (T_I=25°C)

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V _{BO}	Pulse measurement	Min 180	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 1.8	V
Junction Capacitance	C _j	f = 1kHz OSC = 1V _{RMS} , V _D = 50VDC	Max 30	pF
Clamping Voltage	V _{CL}	dv/dt = 100V/μs	Max 250	V

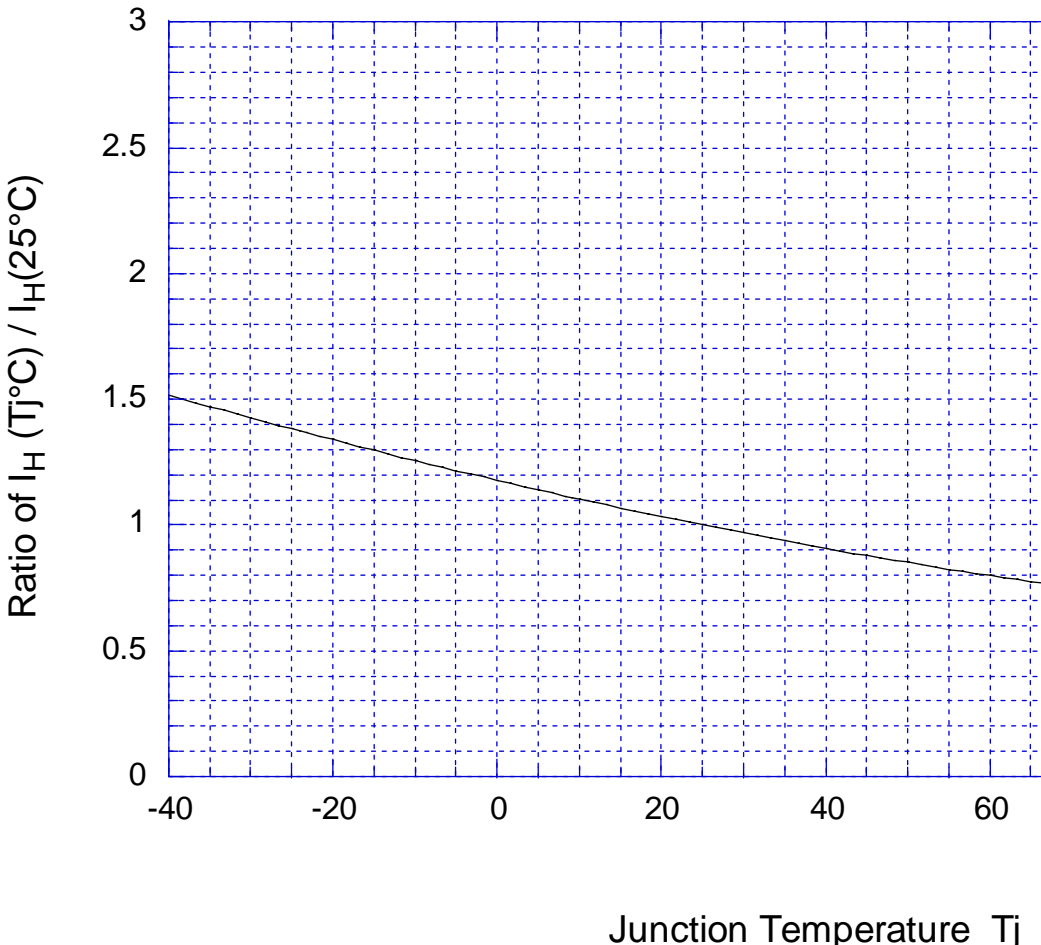
KL3R20 On-State Voltage - On-State Current



KL3R20 Breakover Voltage - Junction Temperature

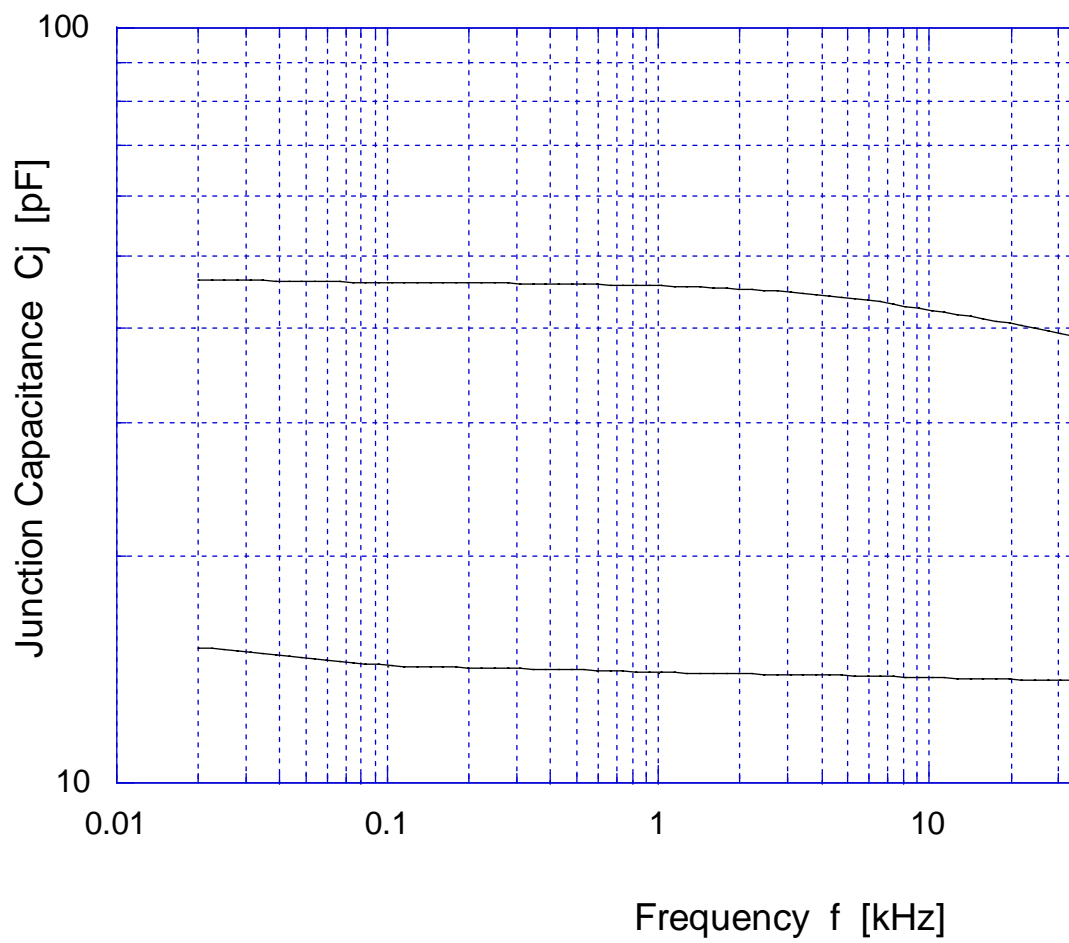


KL3R20 Holding Current - Junction Temp



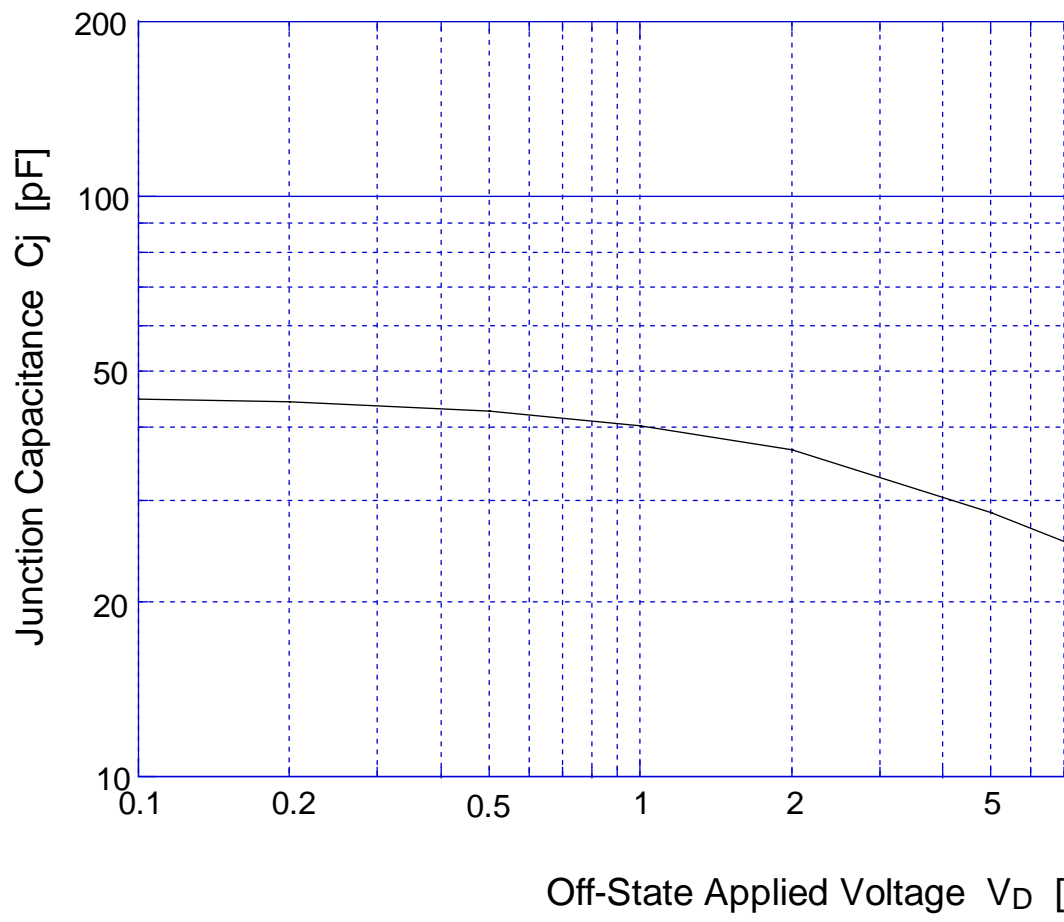
KL3R20

Junction Capacitance



KL3R20

Junction Capacitance



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