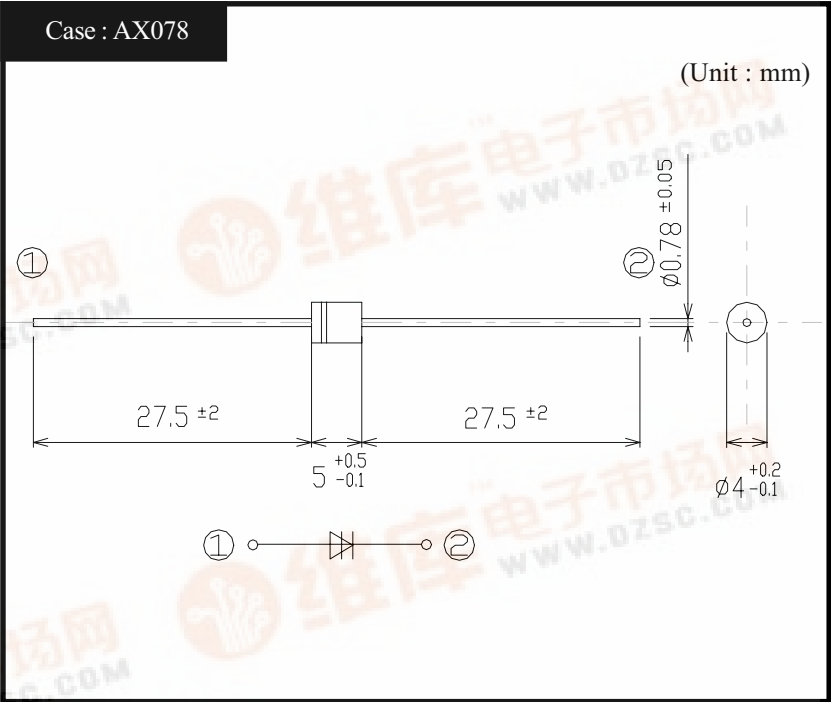


SHINDENGEN

Sidac

G1V(B)22C

OUTLINE DIMENSIONS



RATINGS

Absolute Maximum Ratings (Unless otherwise specified, Tl=25°C)

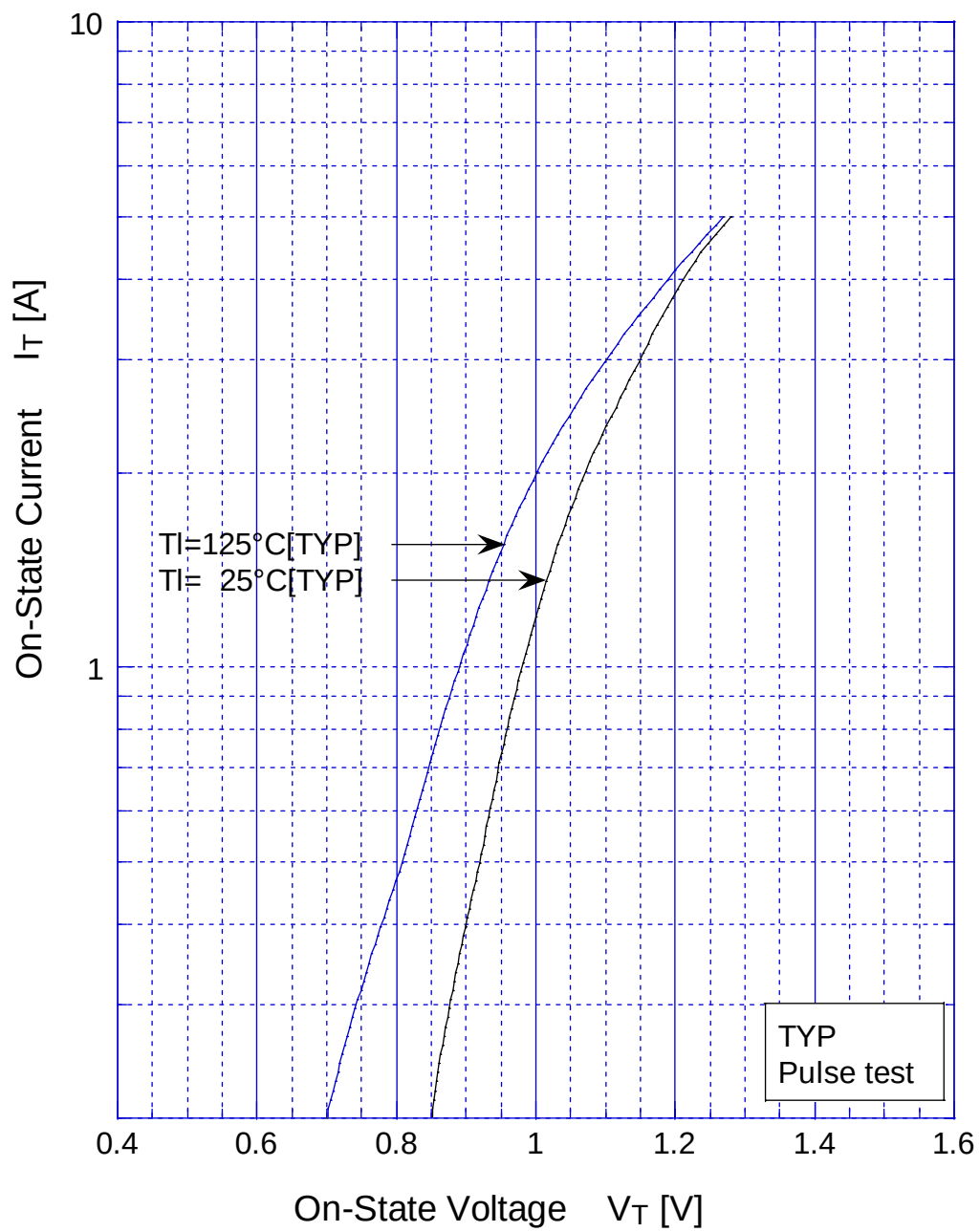
Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	Tstg		-40~125	°C
Operating Junction Temperature	Tj		125	°C
Maximum Off-state Voltage	V _{DRM(A)}		190	V
RMS On-state Current	I _T	Tl = 102°C, 50Hz Sine wave (θ = 180°)	1	A
Pulse On-state Current	I _{TRM}	Ta = 25 °C, Pulse width 10 μ s, 60 Hz Sine wave	120	A
		Ta = 25 °C, Pulse width 10 μ s, 5 Hz Sine wave	280	
Critical Rate of Rise of On-state Current	di _T /dt		80	A/ μ s

Electrical Characteristics (Unless otherwise specified, Tl=25°C)

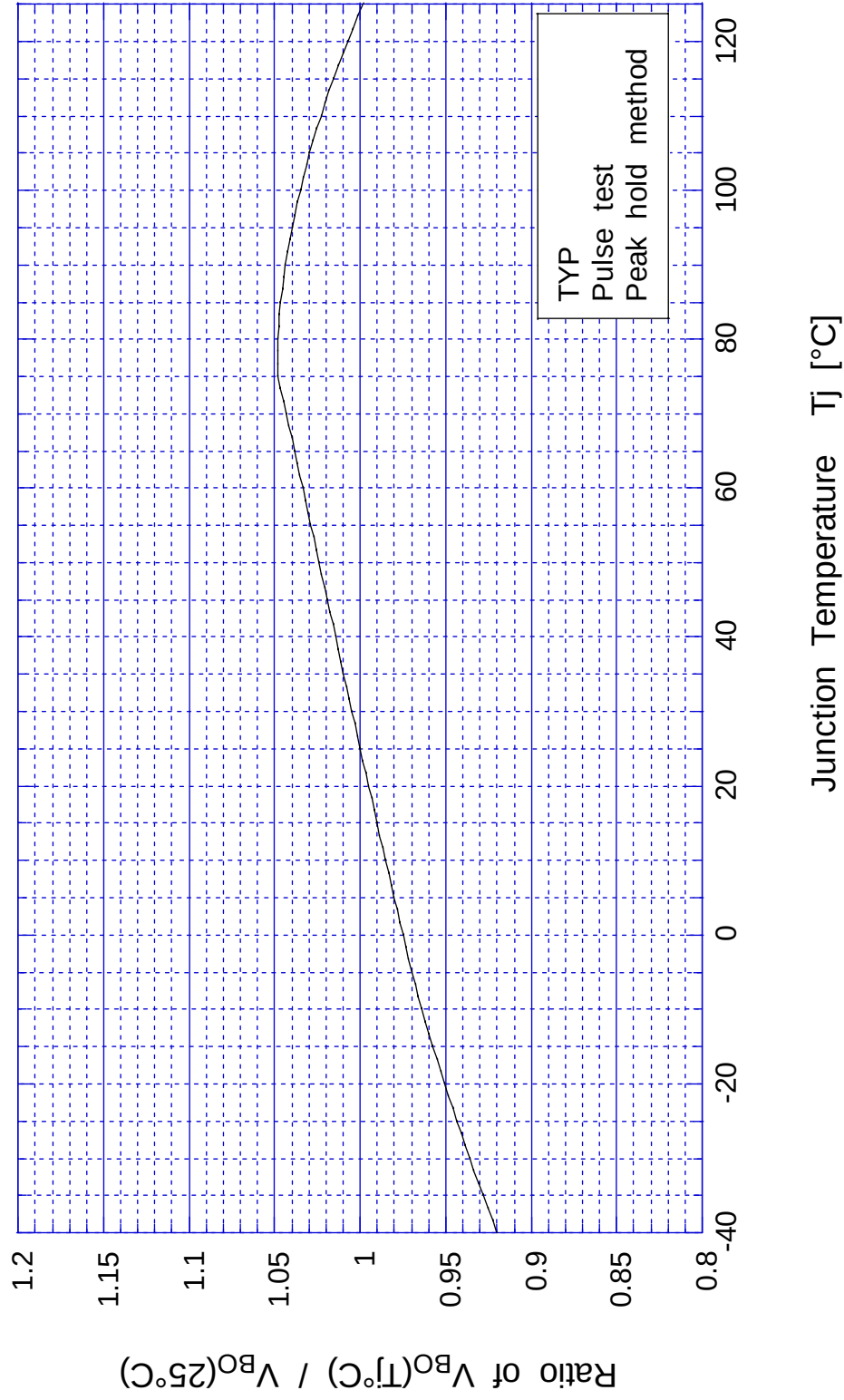
Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V _{BO(A)}	Pulse measurement (dv/dt = 4V/ms)	Min 210 Max 230	V
Off-state Current	I _{DRM(A)}	V _D = V _{DRM(A)}	Max 10	μ A
Breakover Current	I _{BO(A)}		Max 0.5	mA
Holding Current	I _{H(A)}		Max 60	mA
	I _{H(K)}			
On-state Voltage	V _{T(A)}	I _T = 1A	Max 1.5	V
	V _{T(K)}	I _T = 1A		
Switching Resistance	R _{S(A)}		Min 0.1	k Ω
Thermal Resistance	θ j l	Junction to lead	Max 17	°C/W



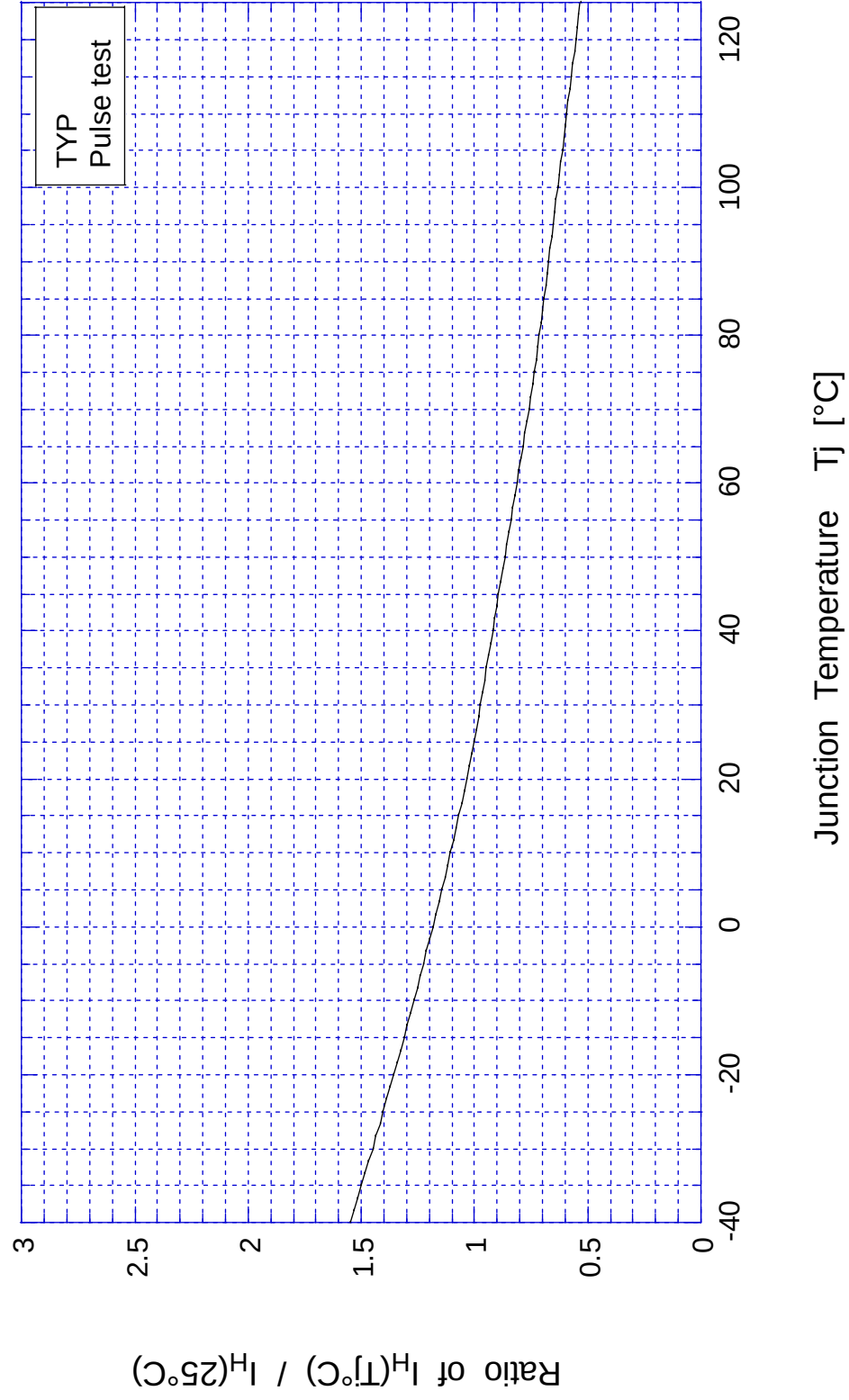
G1V(B)22C On-State Voltage vs On-State Current



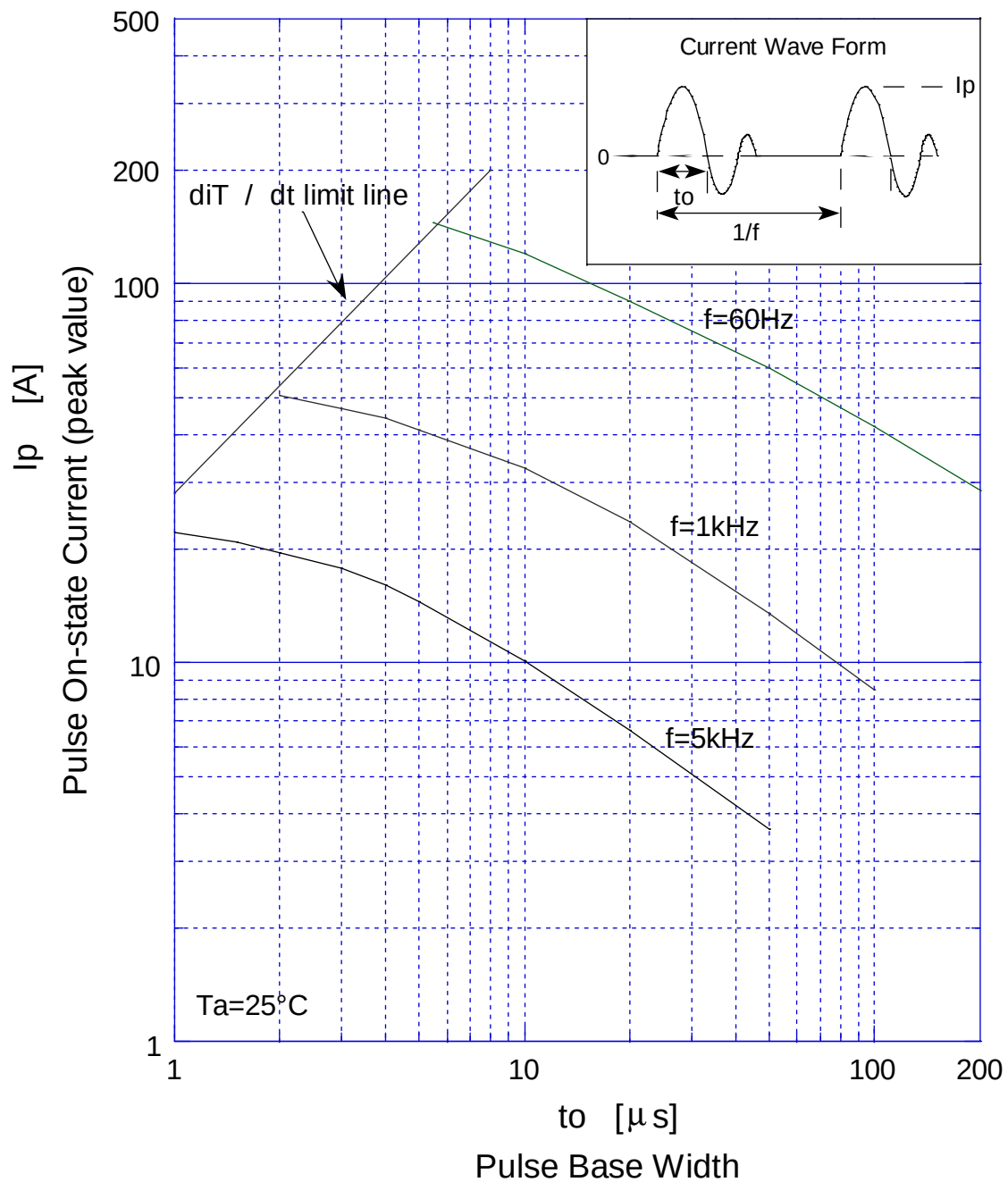
G1V(B)22C Break Over Voltage vs Junction Temperature



G1V(B)22C Holding Current - Junction Temperature



G1V(B)22C Pulse On-state Current Rating



G1V(B)22C

Derating Curve

