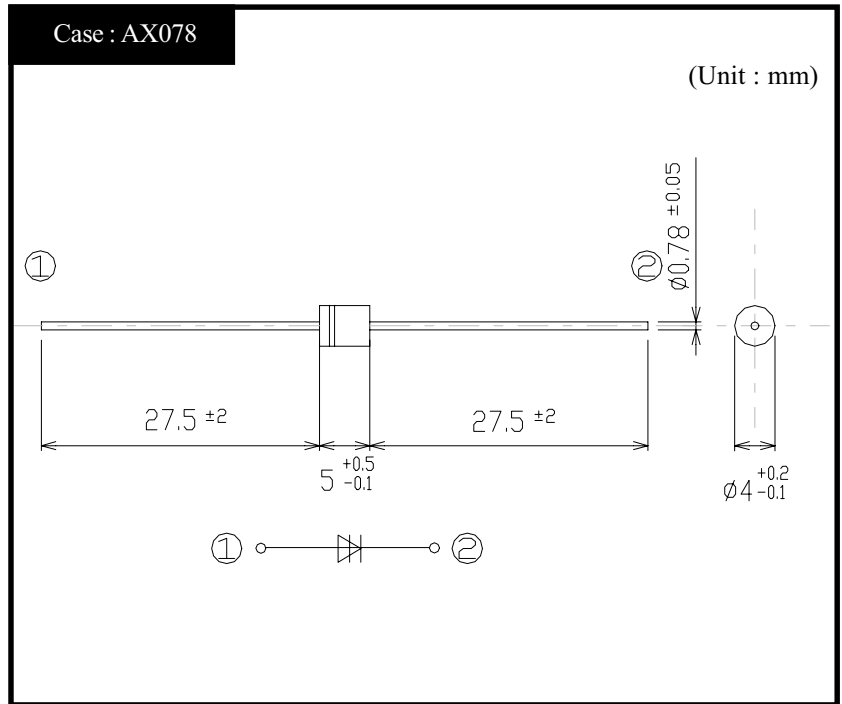


SHINDENGEN

Sidac

G1V(B)8C

OUTLINE DIMENSIONS



RATINGS

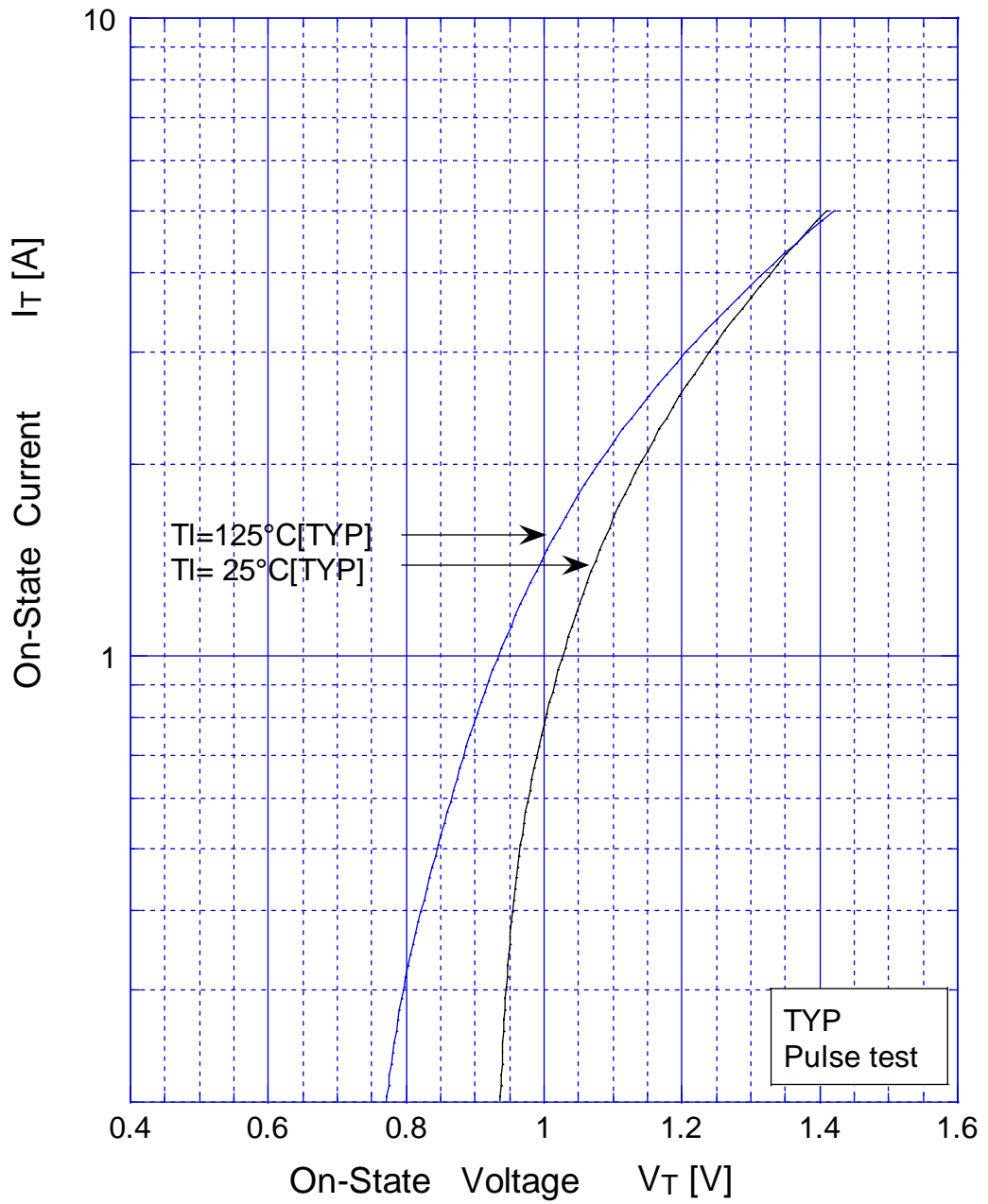
Absolute Maximum Ratings (Unless otherwise specified, Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Storage Temperature	T _{stg}		-40~125	°C
Operating Junction Temperature	T _j		125	°C
Maximum Off-state Voltage	V _{DRM(A)}		70	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 μs, 60 Hz Sine wave	120	A
		Ta = 25°C, Pulse width 10 μs, 5 Hz Sine wave	280	
Critical Rate of Rise of On-state Current	di _T /dt		80	A/μs

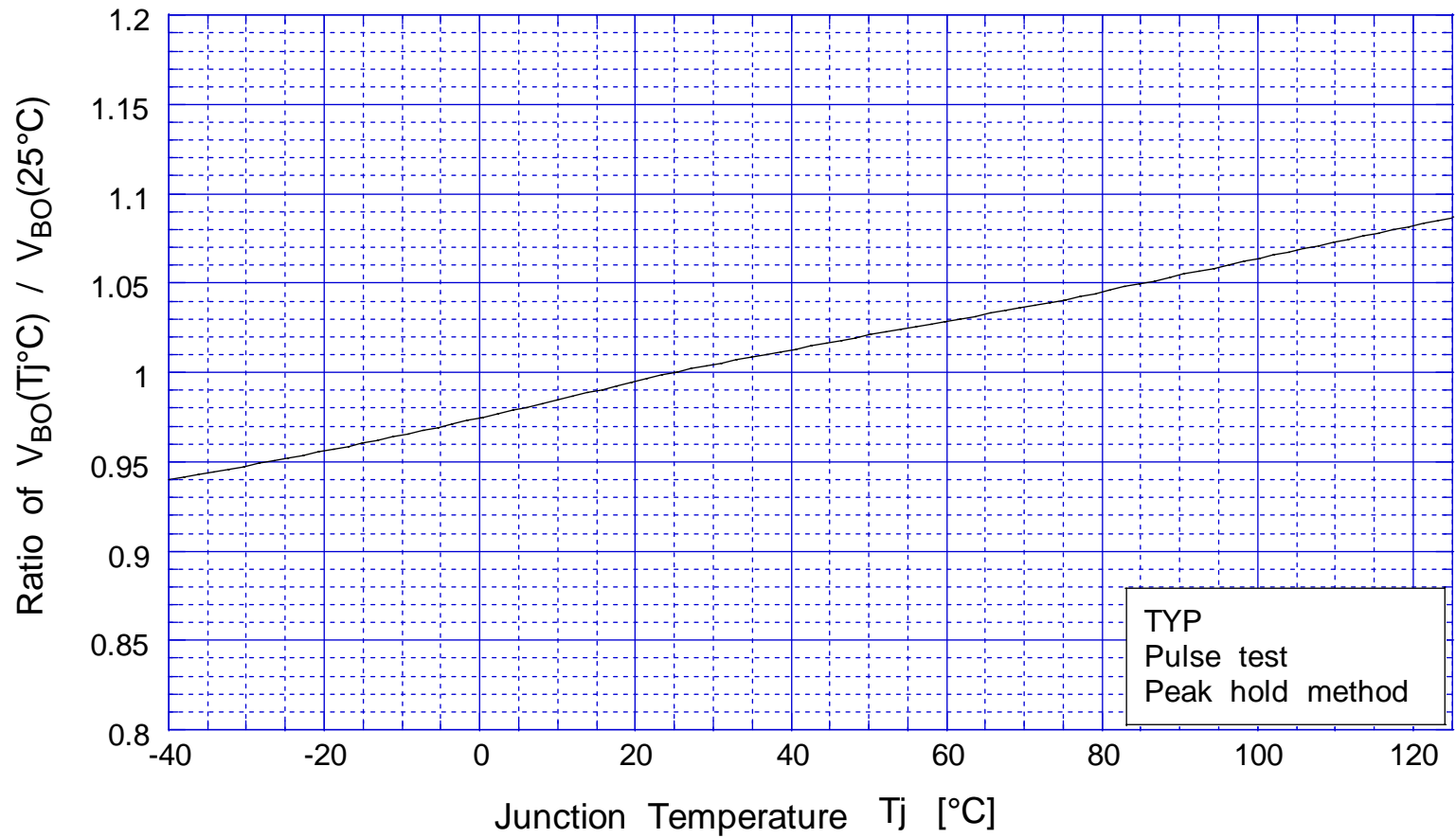
Electrical Characteristics (Unless otherwise specified, Tl=25°C)

Item	Symbol	Conditions	Ratings	Unit
Breakover Voltage	V _{BO(A)}	Pulse measurement (dv/dt = 4V/ms)	Min 75	V
			Max 90	
Off-state Current	I _{DRM(A)}	V _D = V _{DRM(A)}	Max 10	μA
Breakover Current	I _{BO(A)}		Max 1.0	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	kΩ
Thermal Resistance	θ _{jl}	Junction to lead	Max 17	°C/W

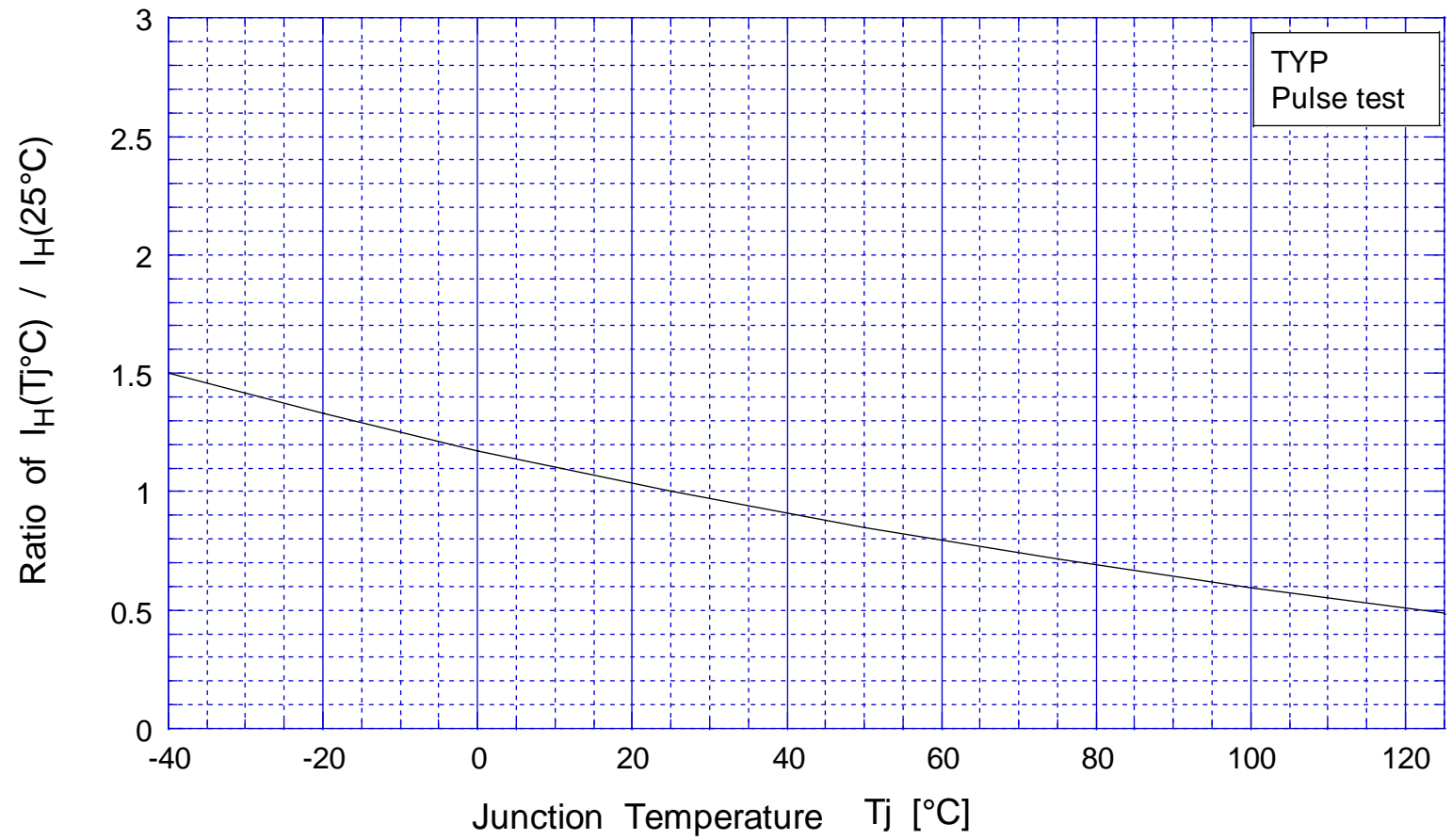
G1V(B)8C On-State Voltage - On-State Current



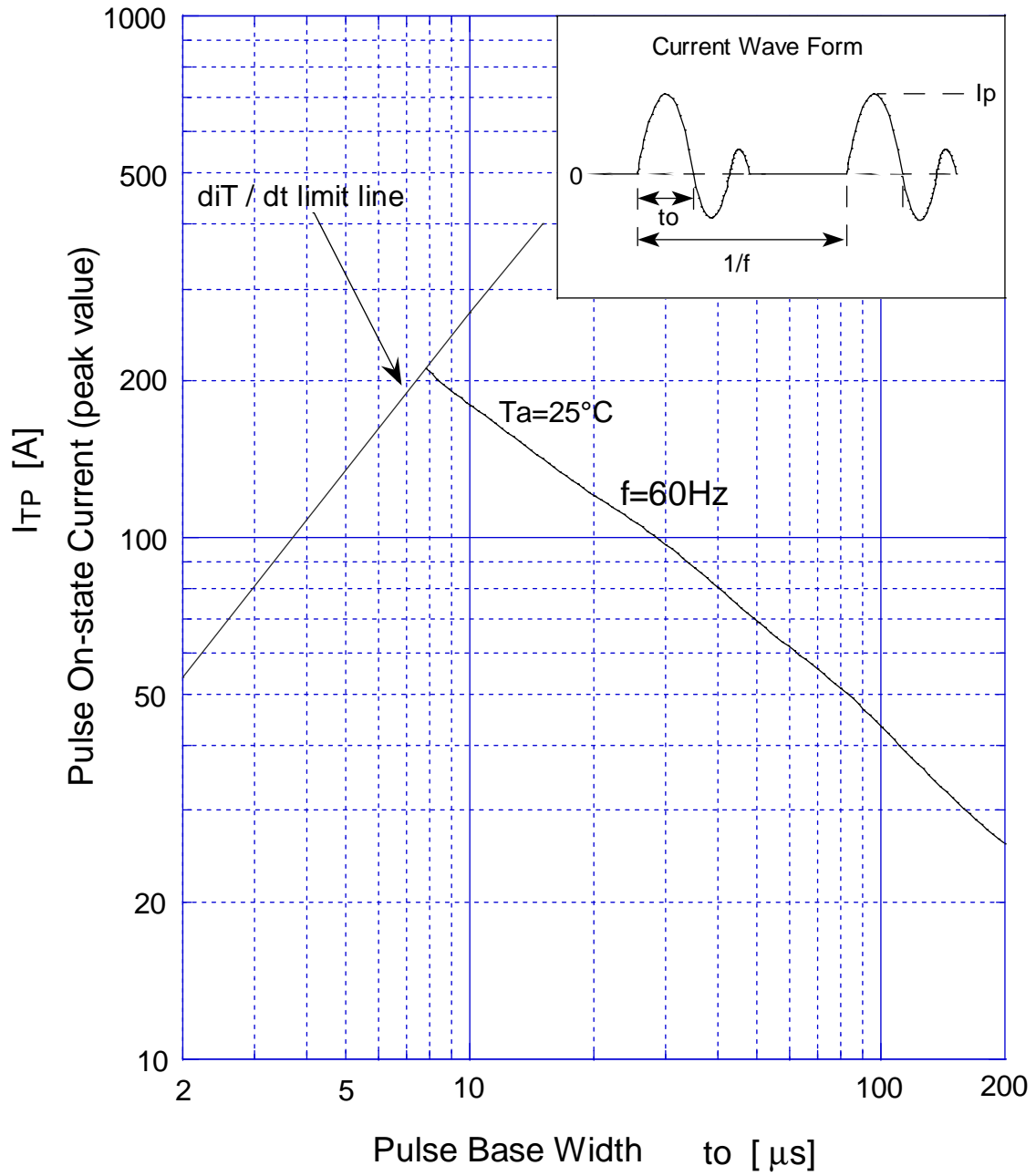
G1V(B)8C Break Over Voltage - Junction Temperature



G1V(B)8C Holding Current - Junction Temperature



G1V(B)8C Pulse On-state Current Rating



G1V(B)8C Pulse On-state Current Rating

