

SHINDENGEN

Trankiller

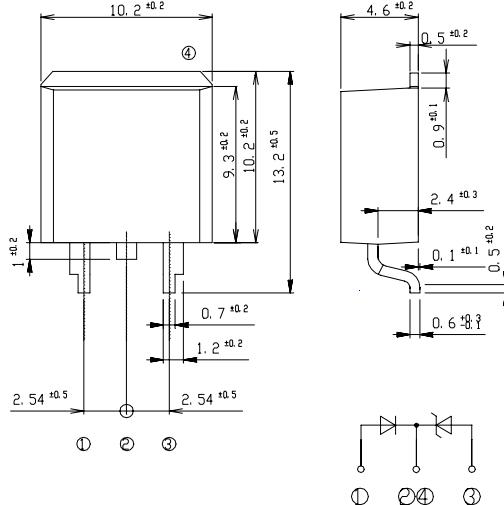
STO-220

ST50V-27F

OUTLINE DIMENSIONS

Case : STO-220

(Unit : mm)



RATINGS

● Absolute Maximum Ratings

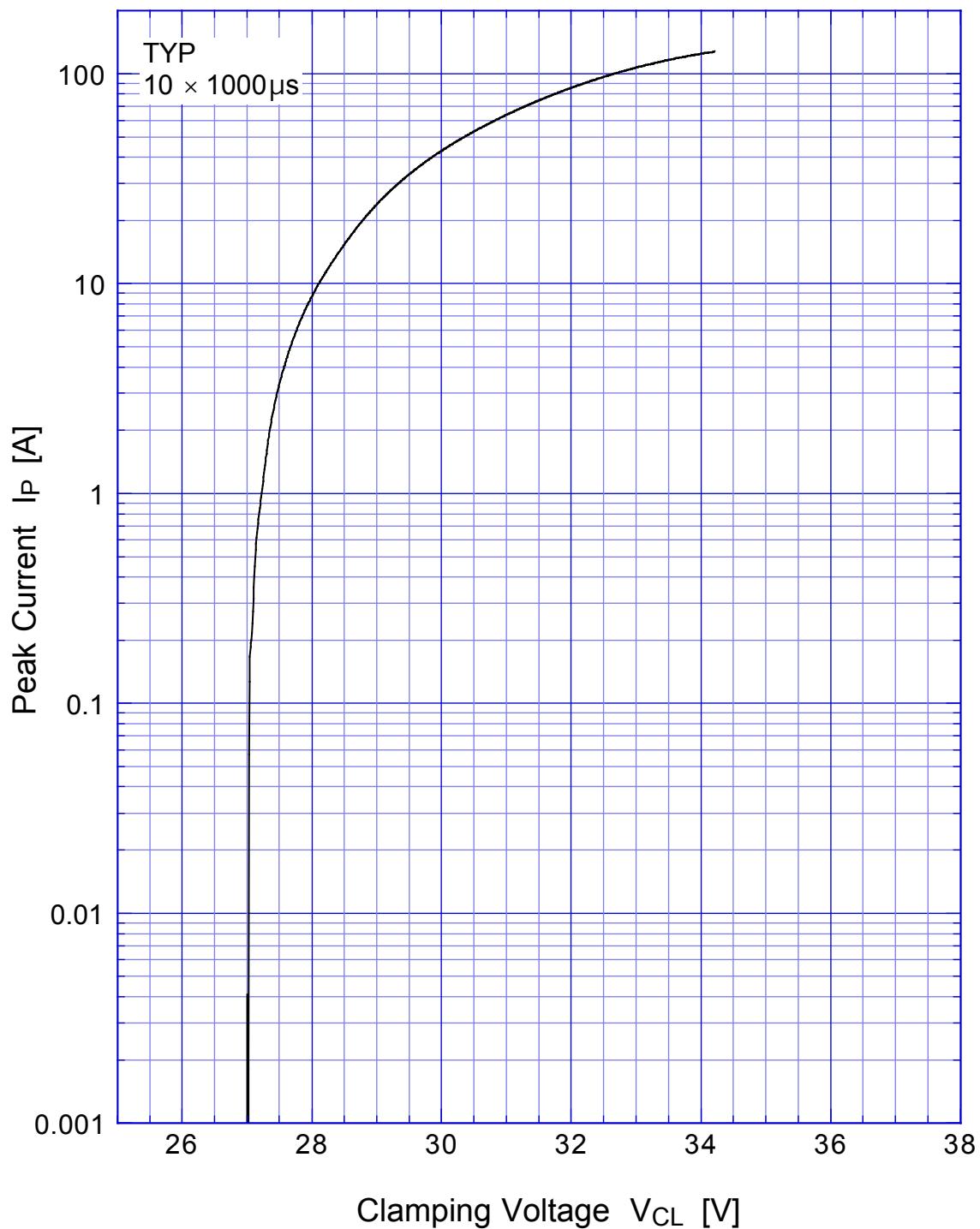
Item	Symbol	Conditions	Ratings		Unit
			Trankiller	Diode	
Storage Temperature	T _{stg}		-40~150	-40~150	°C
Operating Junction Temperature	T _j		150	150	°C
Peak Surge Reverse Power	P _{RSM}	10×1000 μ s, Non-repetitive	5000	—	W
Peak Surge Reverse Current	I _{RSM}	10×1000 μ s, Non-repetitive	130	—	A
Maximum Reverse Voltage	V _{RM}		23	400	V

● Electrical Characteristics (T_c=25°C)

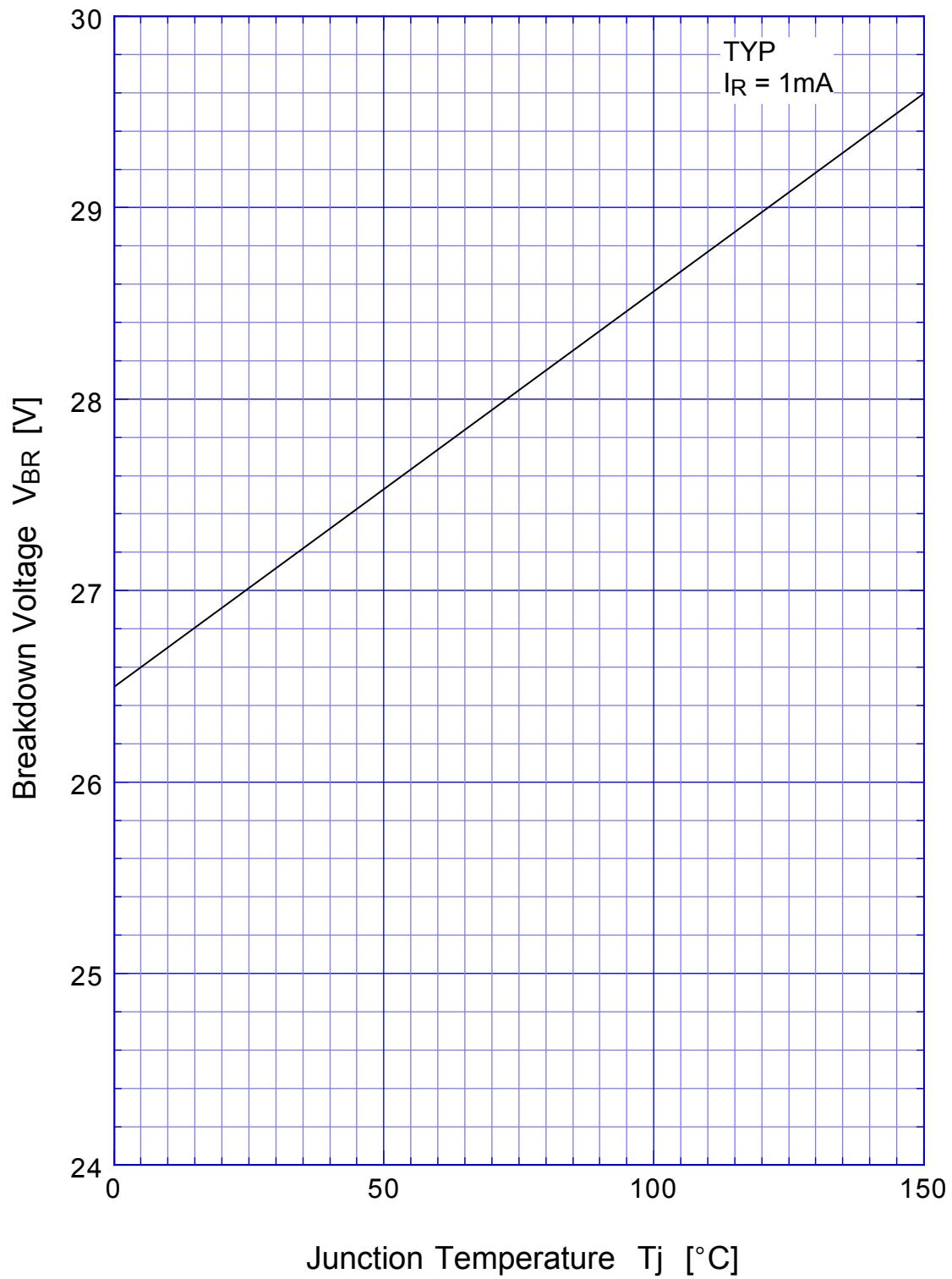
Item	Symbol	Conditions	Ratings		Unit
			Trankiller	Diode	
Movement Start Voltage	V _{BR}	I _R = 1mA	MIN24.3 STD27 MAX29.7	—	V
Restriction Voltage	V _{CL}	I _{PP} = 130A, I _{PP} Definition	MAX 38	—	V
Leakage Current	I _R	V _R = V _{RM}	MAX 5	MAX 5	μ A
Forward Voltage	V _F	I _F = 1.1A	—	MAX 1.2	V

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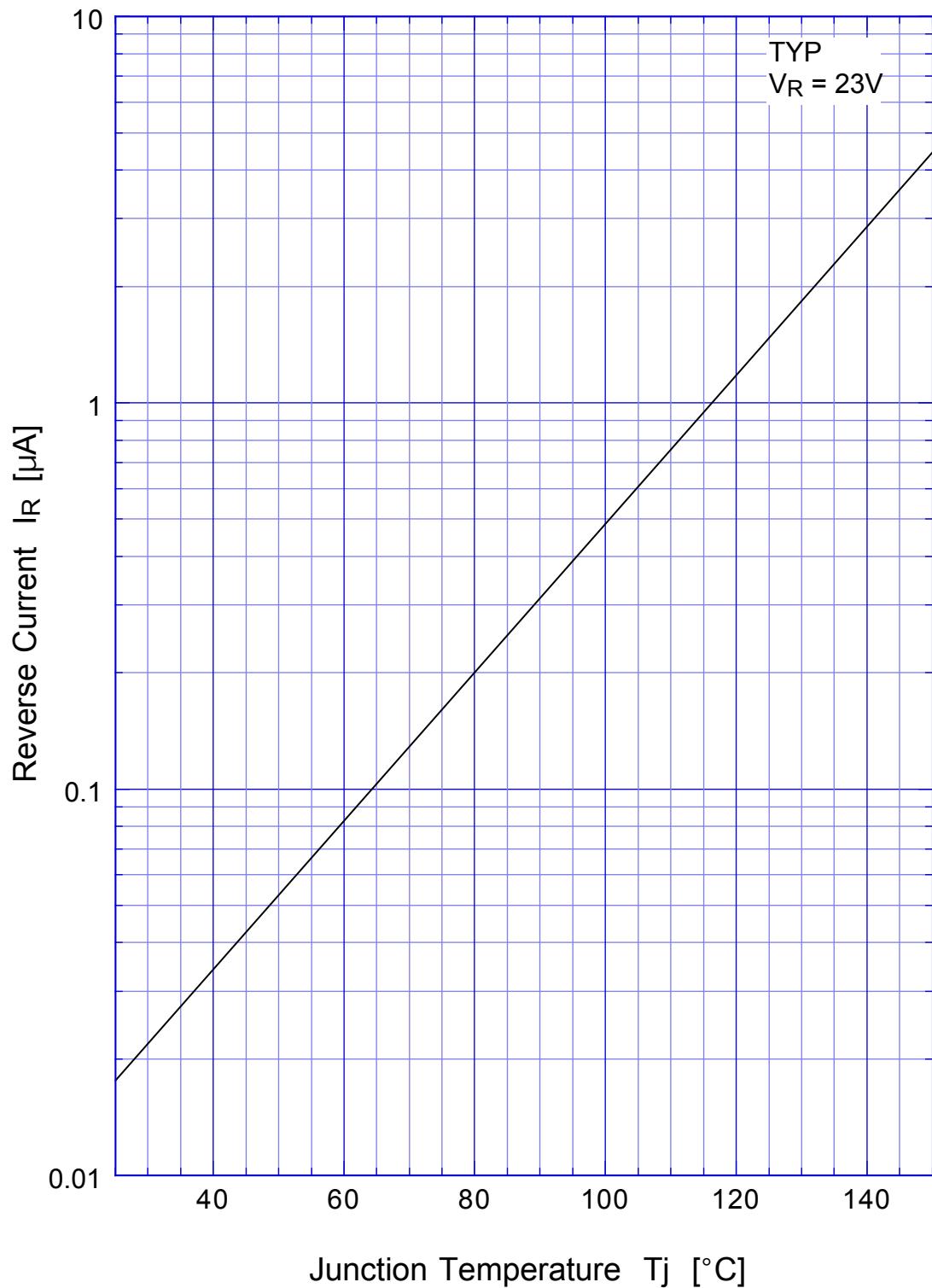
Clamping Voltage



ST50V-27F Breakdown Voltage



ST50V-27F Reverse Current



ST50V-27F Peak Surge Reverse Current

