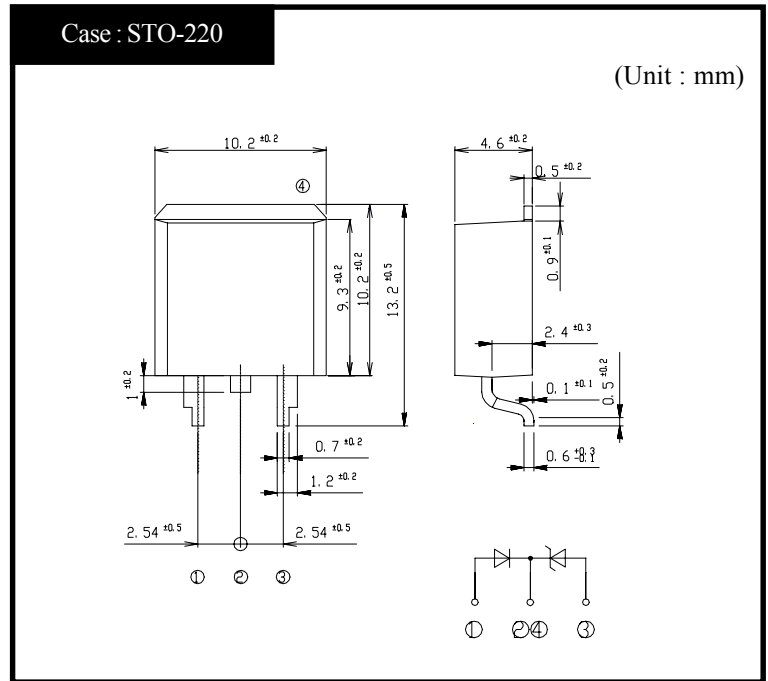


ST50V-27F

OUTLINE DIMENSIONS



RATINGS

● Absolute Maximum Ratings

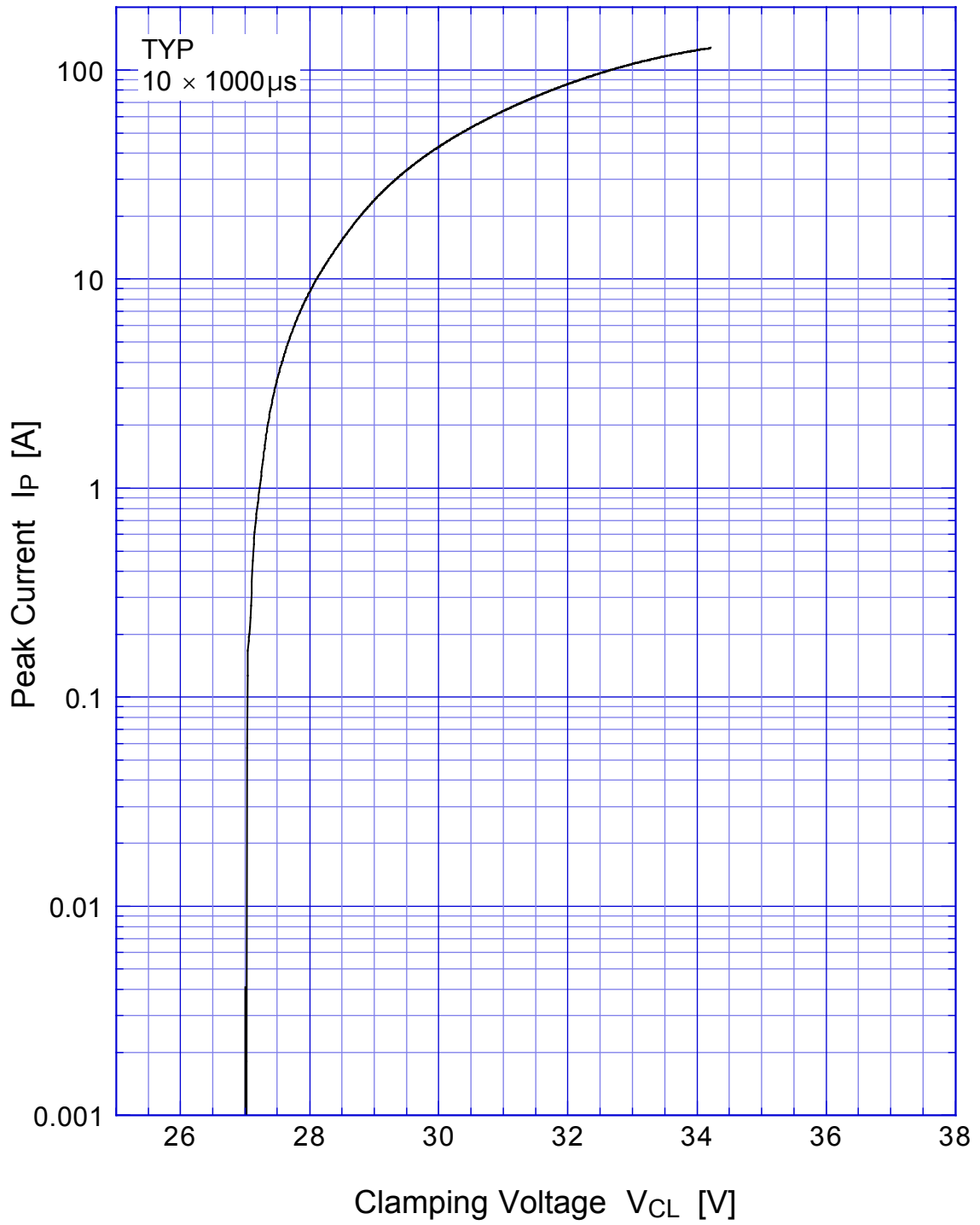
Item	Symbol	Conditions	Ratings		Unit
			Trankiller	Diode	
Storage Temperature	T_{stg}		-40~150	-40~150	°C
Operating Junction Temperature	T_j		150	150	°C
Peak Surge Reverse Power	P_{RSM}	10 × 1000 μ s, Non-repetitive	5000	-	W
Peak Surge Reverse Current	I_{RSM}	10 × 1000 μ s, Non-repetitive	130	-	A
Maximum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

● Electrical Characteristics (Tc=25°C)

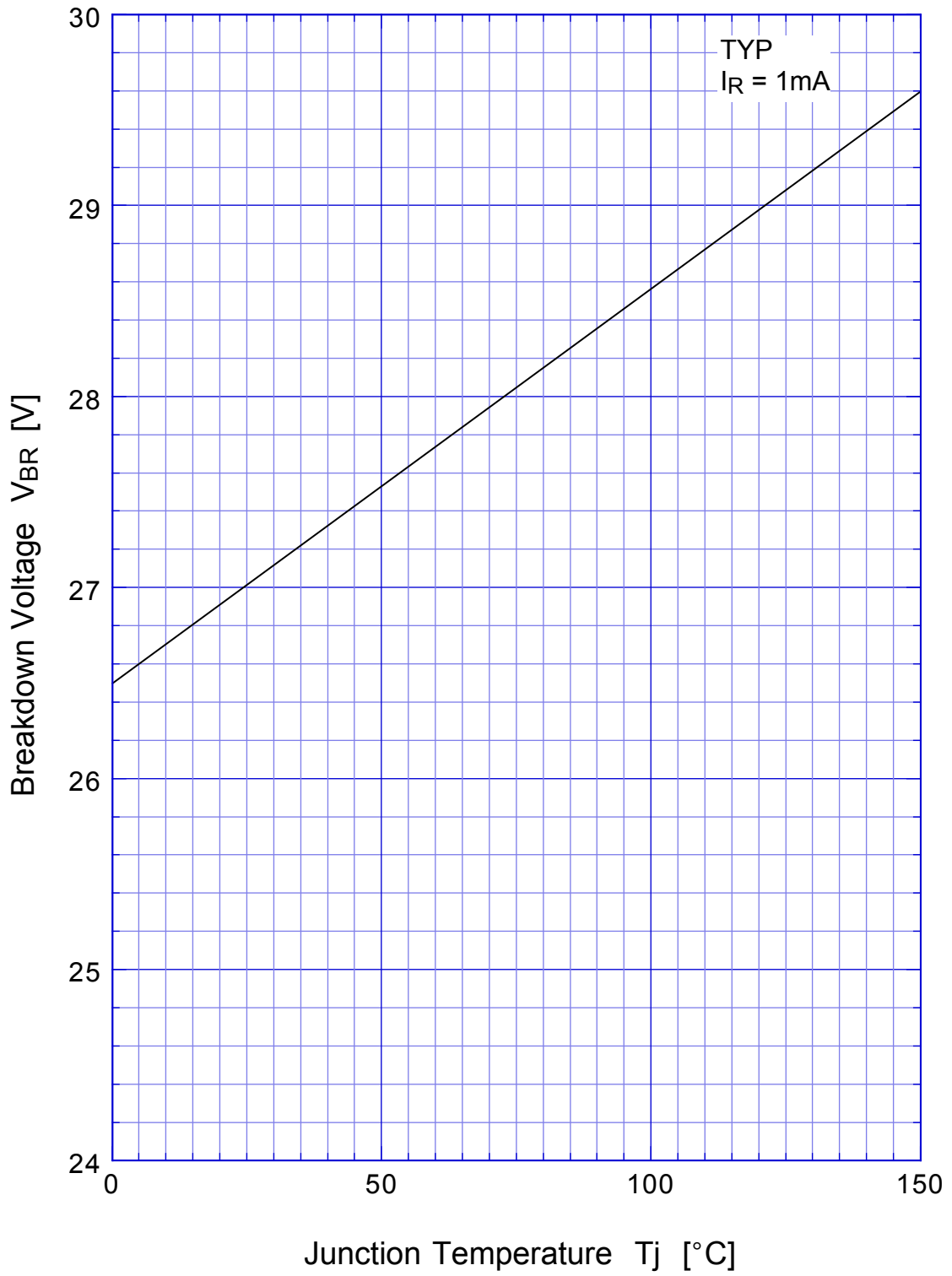
Item	Symbol	Conditions	Ratings		Unit
			Trankiller	Diode	
Movement Start Voltage	V_{BR}	$I_R = 1mA$	MIN24.3 STD27 MAX29.7	-	V
Restriction Voltage	V_{CL}	$I_{PP} = 130A$, I_{pp} Definition	MAX 38	-	V
Leakage Current	I_R	$V_R = V_{RM}$	MAX 5	MAX 5	μ A
Forward Voltage	V_F	$I_F = 1.1A$	-	MAX 1.2	V

ST50V-27F

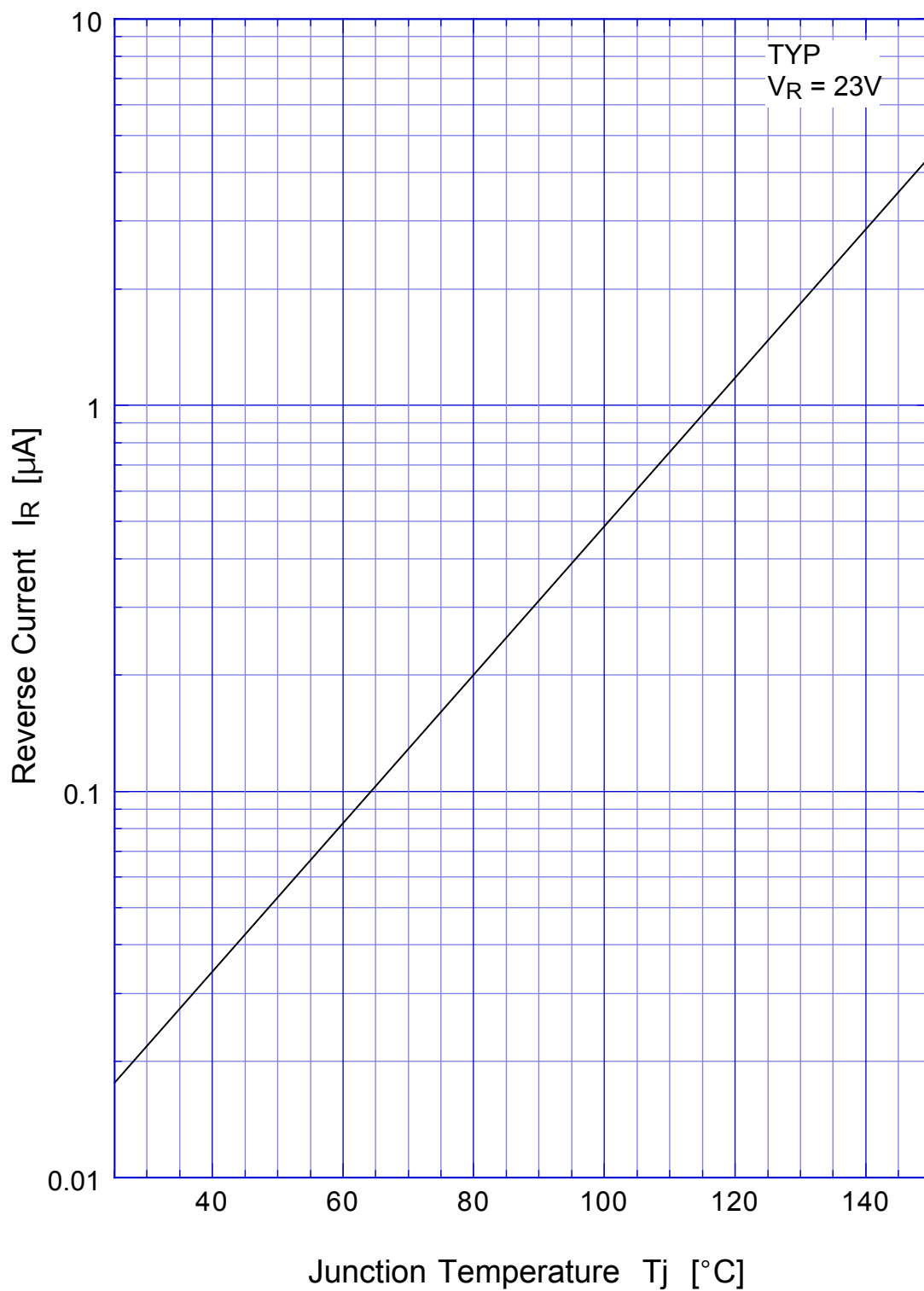
Clamping Voltage



ST50V-27F Breakdown Voltage



ST50V-27F Reverse Current



ST50V-27F Peak Surge Reverse Current

