

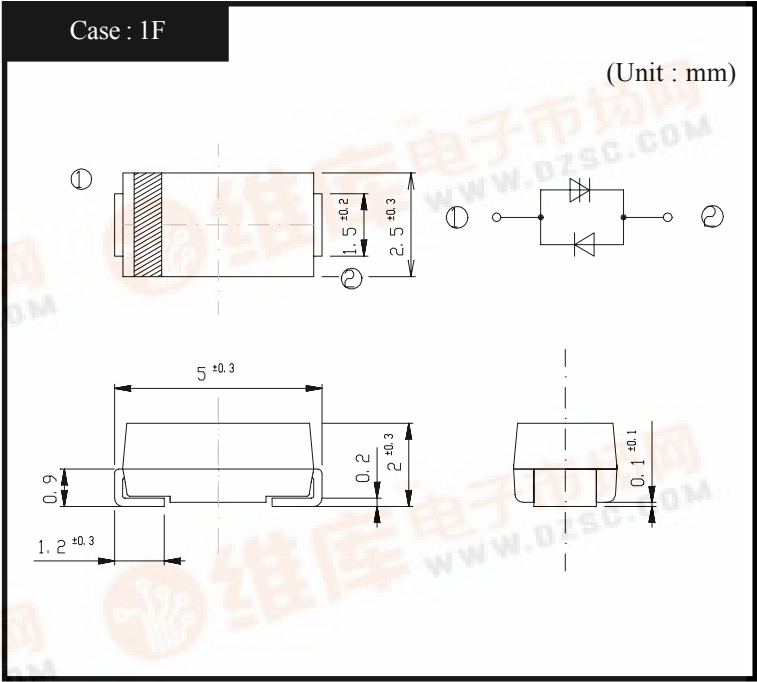
SHINDENGEN

Trankiller

SMD

ST04-27F1

OUTLINE DIMENSIONS



RATINGS

●Absolute Maximum Ratings

| Item                       | Symbol           | Conditions                  | Ratings | Unit |
|----------------------------|------------------|-----------------------------|---------|------|
| Storage Temperature        | T <sub>stg</sub> |                             | -55~175 | ℃    |
| Junction Temperature       | T <sub>j</sub>   |                             | 150     | ℃    |
| Peak Surge Reverse Current | I <sub>RSM</sub> | 10/1000 μ s, Non-repetitive | 10      | A    |
|                            |                  | 10/200 μ s, Non-repetitive  | 19      |      |
| Maximum Reverse Voltage    | V <sub>RM</sub>  |                             | 23      | V    |

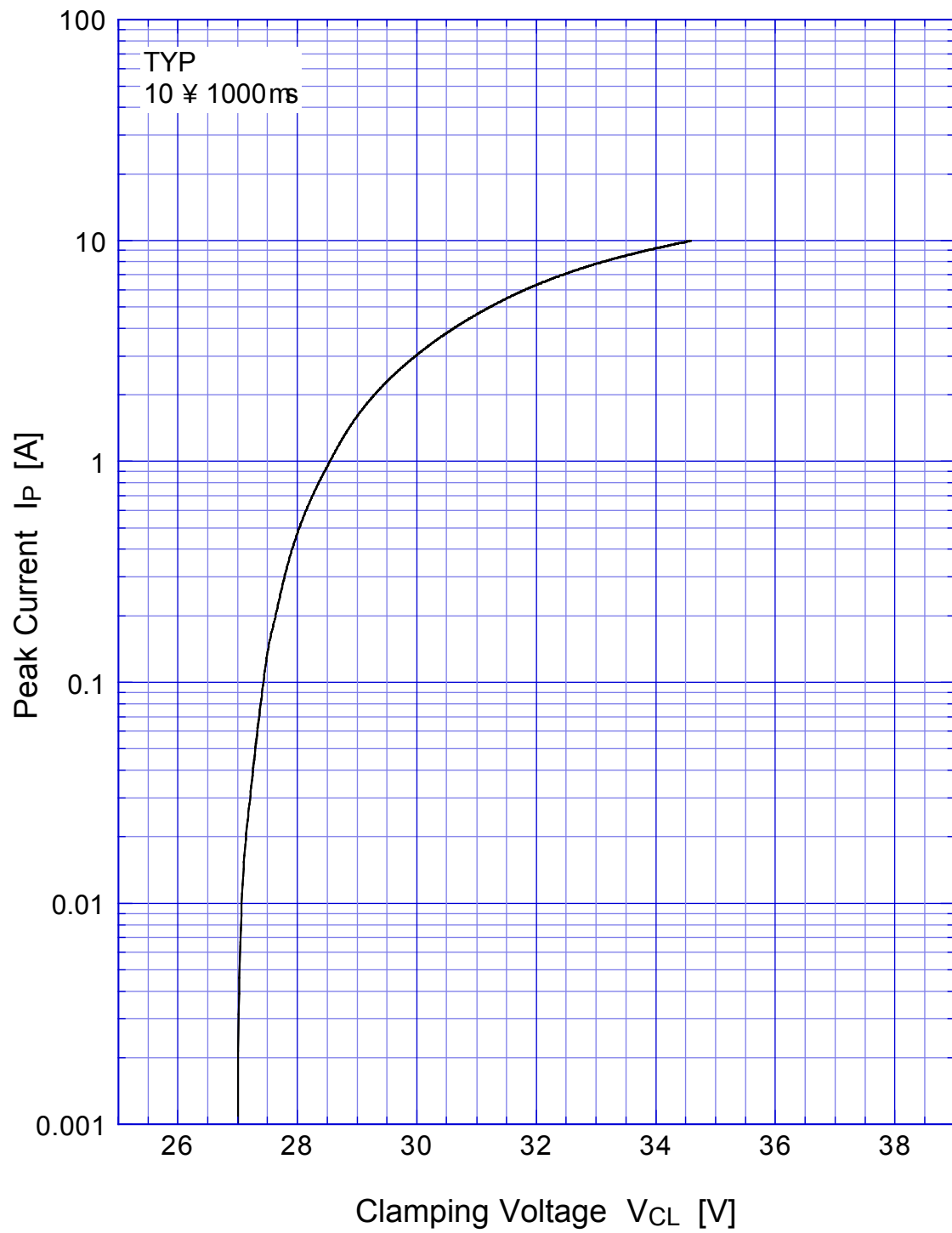
●Electrical Characteristics (Tl=25℃)

| Item              | Symbol          | Conditions            | Ratings   | Unit |
|-------------------|-----------------|-----------------------|-----------|------|
| Breakdown Voltage | V <sub>BR</sub> | I <sub>R</sub> = 1mA  | 24.3~29.7 | V    |
| Clamping Voltage  | V <sub>CL</sub> | I <sub>pp</sub> = 10A | MAX 37    | V    |
| Reverse Current   | I <sub>R</sub>  | V <sub>R</sub> = 23V  | MAX 5     | μ A  |

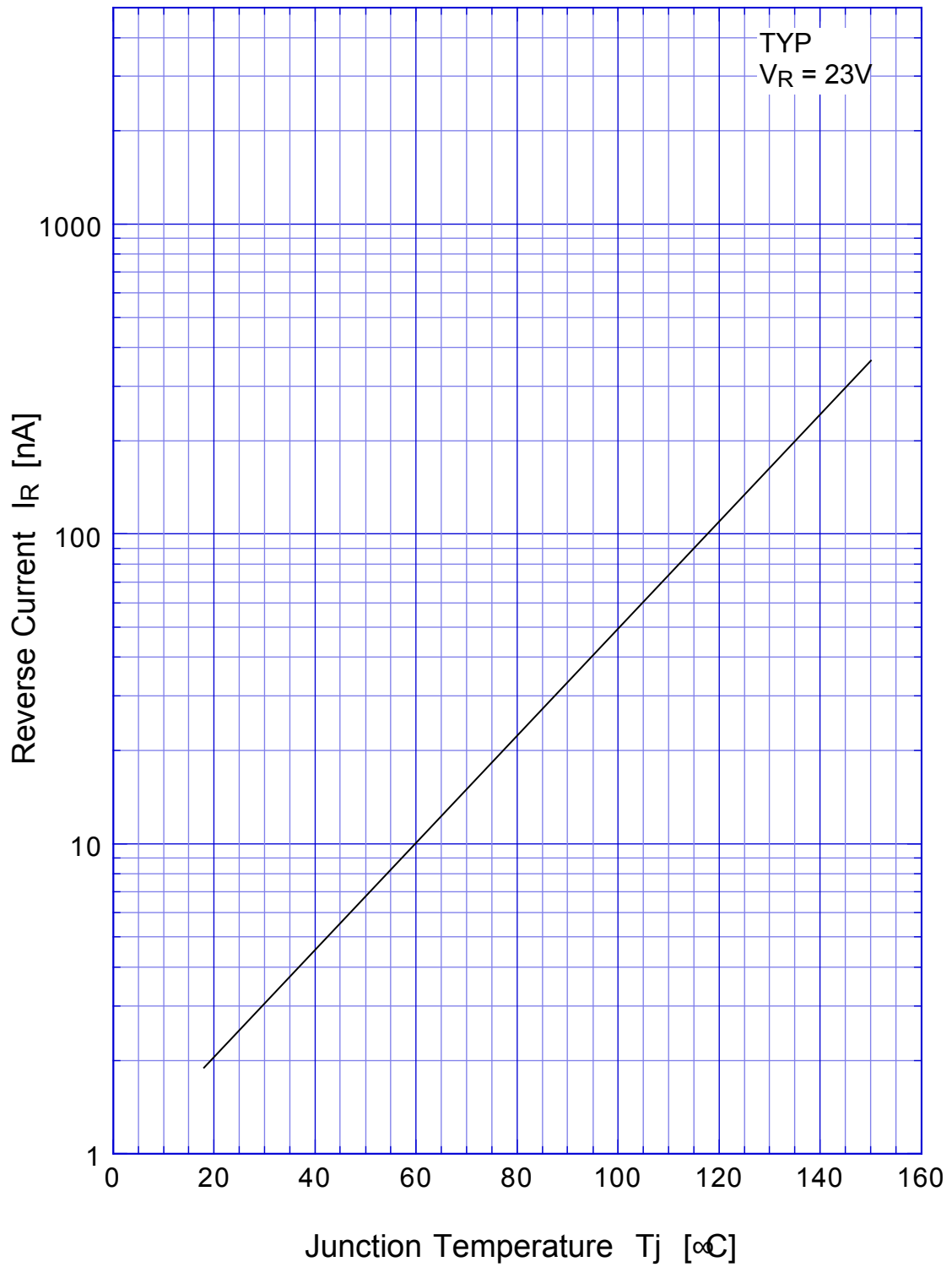


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Clamping Voltage

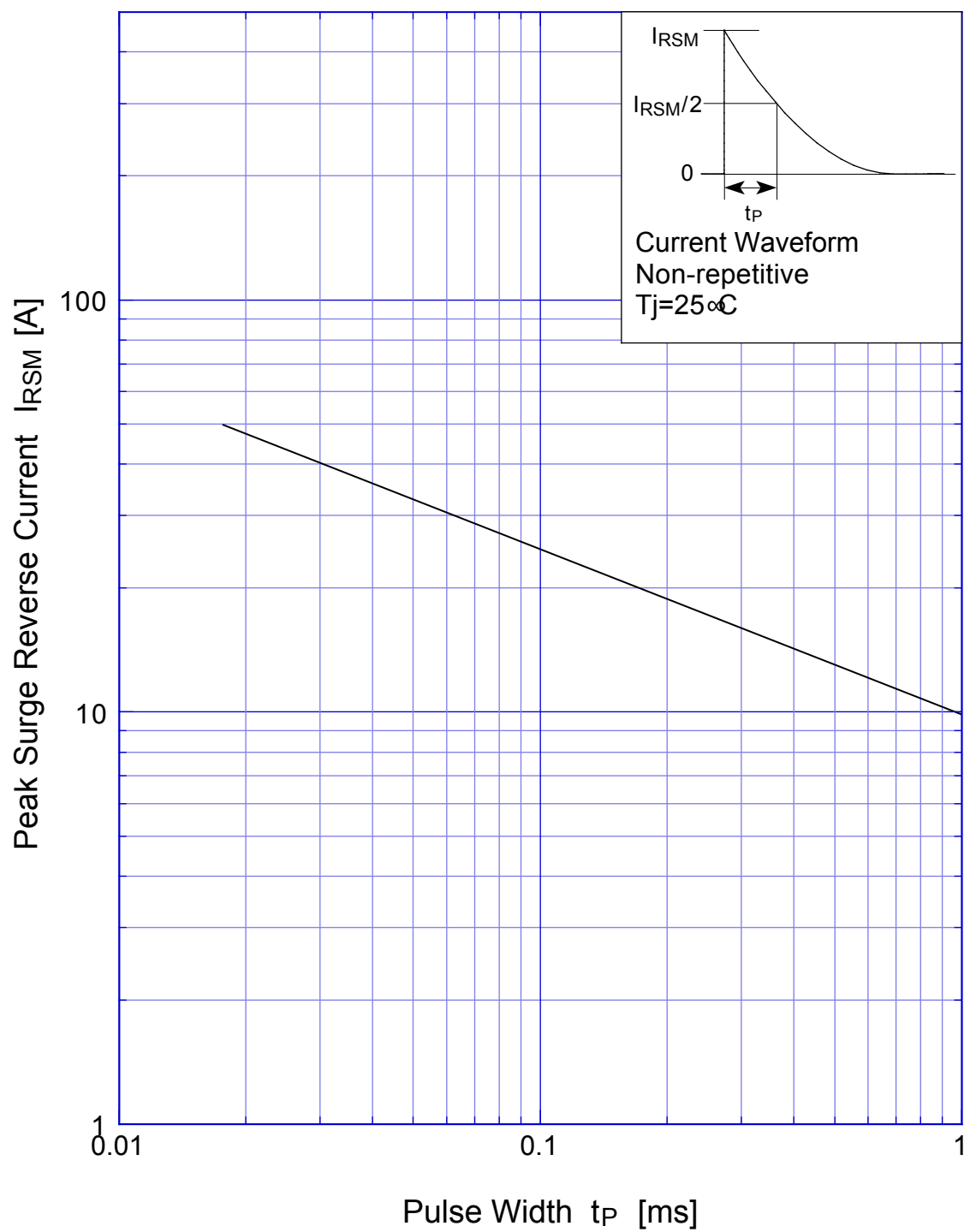


## ST04-27F1 Reverse Current

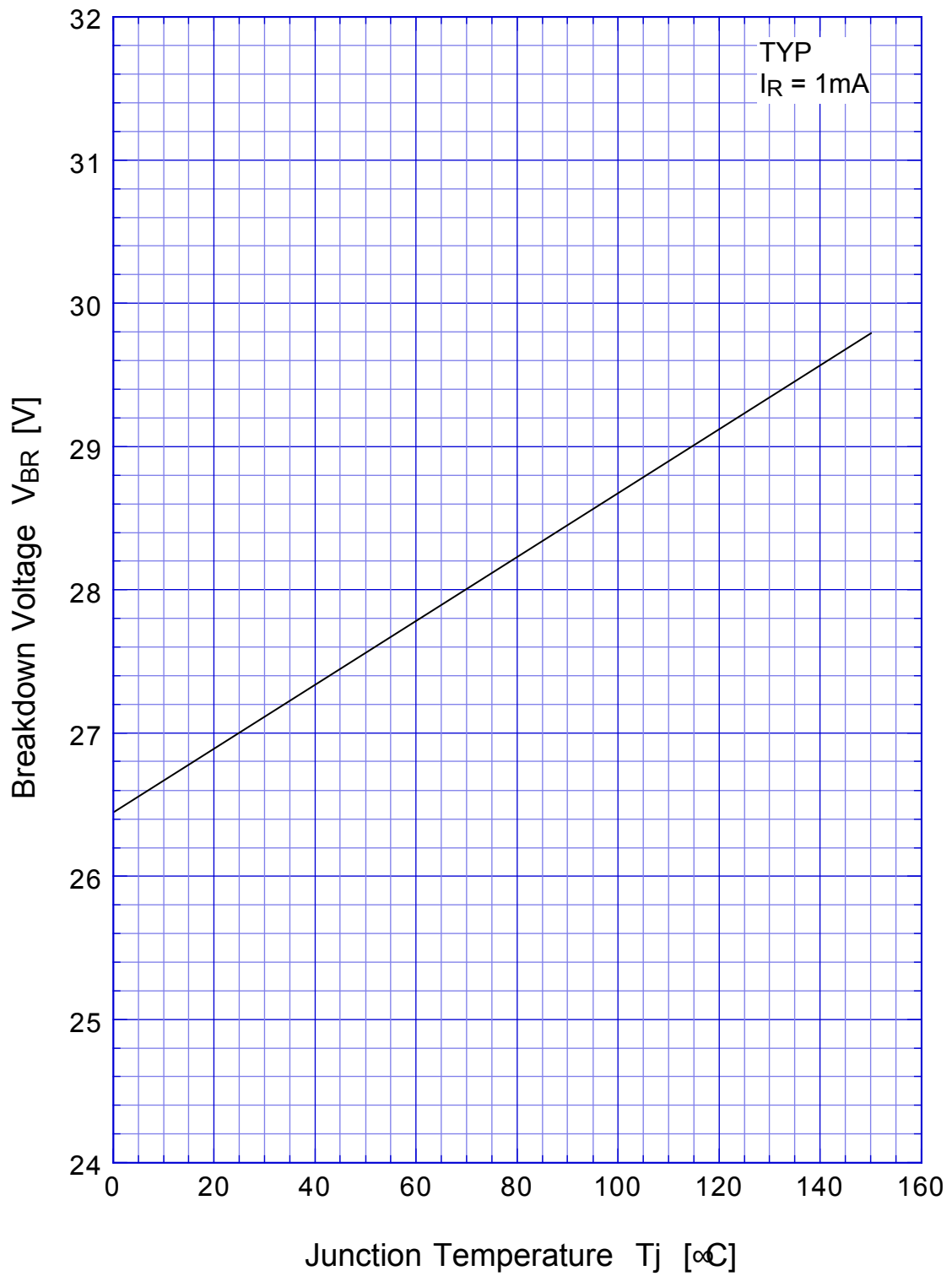


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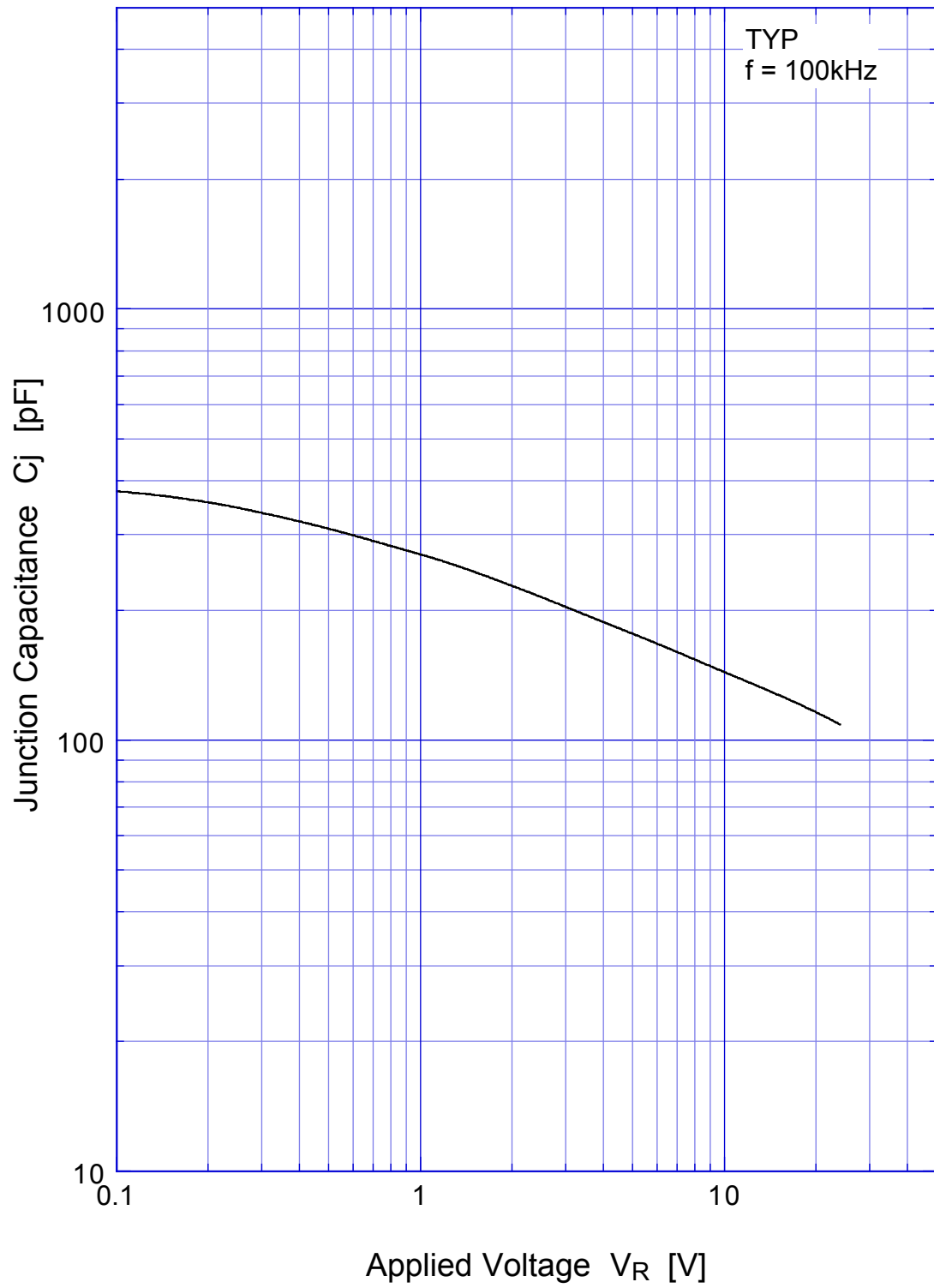
Peak Surge Reverse Current



## ST04-27F1 Breakdown Voltage



## ST04-27F1 Junction Capacitance



## ST04-27F1 Junction Capacitance

