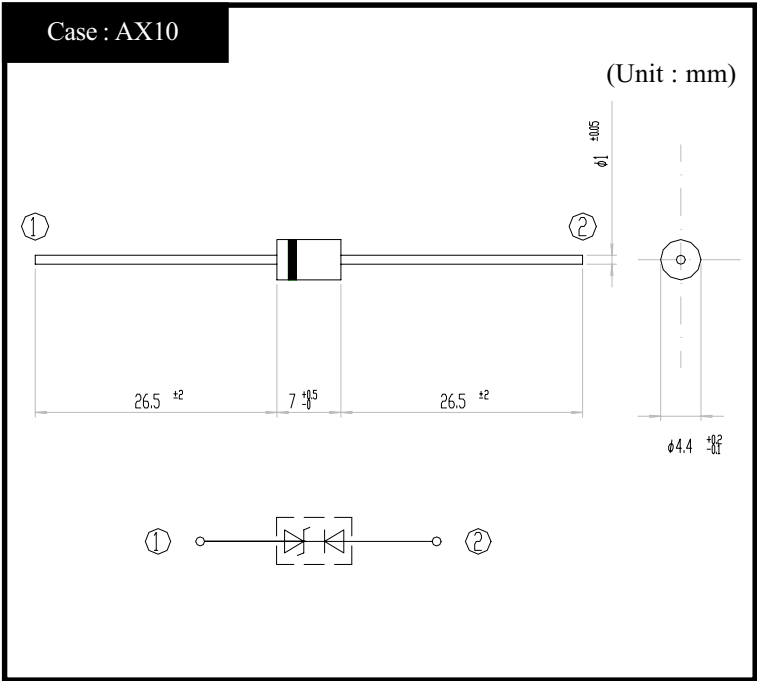


ST03D-82

OUTLINE DIMENSIONS



RATINGS

● Absolute Maximum Ratings (Tl=25°C)

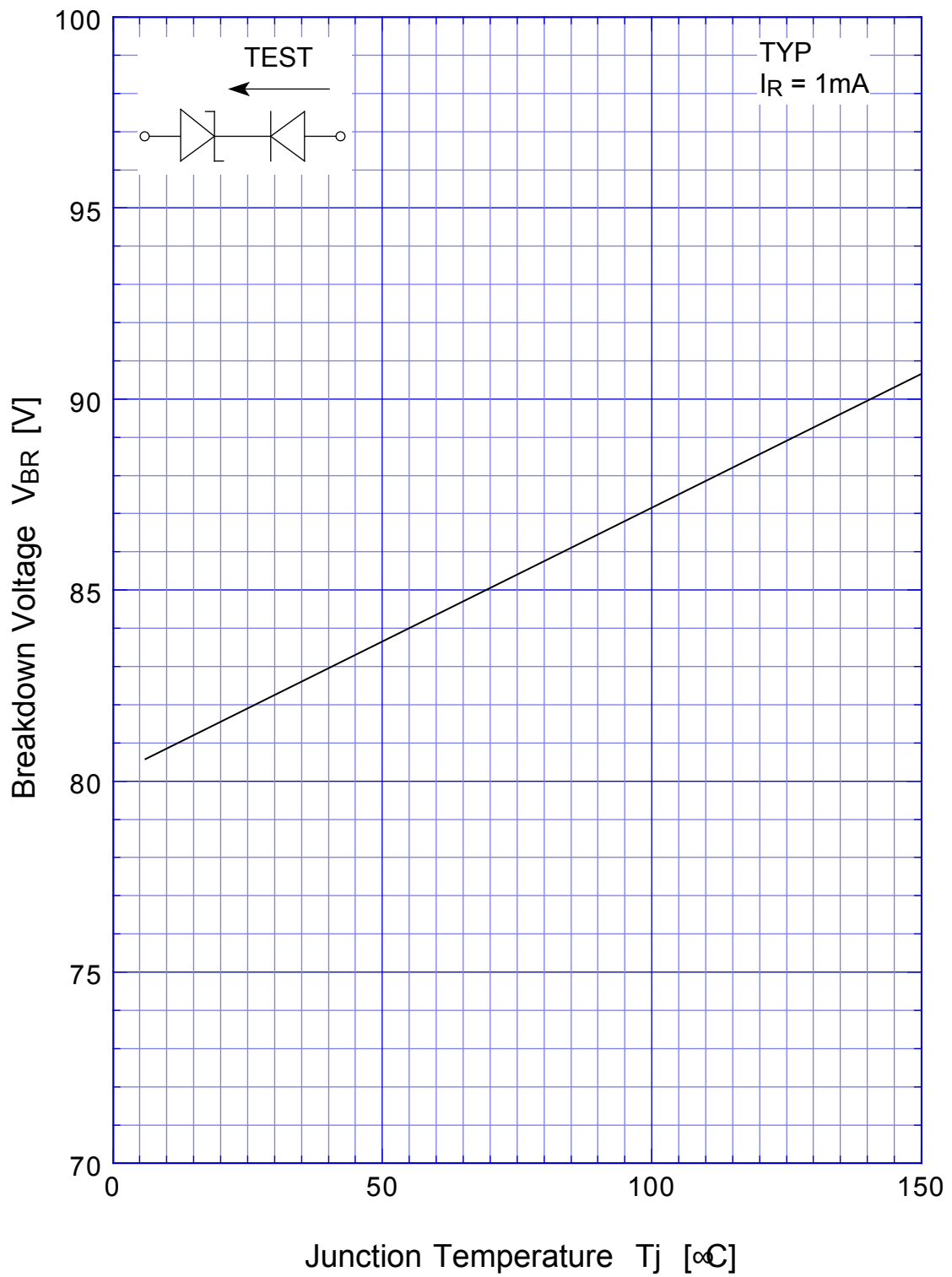
| Item                       | Symbol           | Conditions                  | ZD      | Di      | Unit |
|----------------------------|------------------|-----------------------------|---------|---------|------|
| Storage Temperature        | T <sub>stg</sub> |                             | -40~150 | -40~150 | °C   |
| Junction Temperature       | T <sub>j</sub>   |                             | 150     | 150     | °C   |
| Peak Surge Reverse Power   | P <sub>RSM</sub> | 10/1000 μ s, Non-repetitive | 300     | —       | W    |
| Peak Surge Reverse Current | I <sub>RSM</sub> | 10/1000 μ s, Non-repetitive | 2.5     | —       | A    |
| Maximum Reverse Voltage    | V <sub>RM</sub>  |                             | 67      | 600     | V    |

● Electrical Characteristics (Tl=25°C)

| Item                   | Symbol          | Conditions                                | ZD                         | Di      | Unit |
|------------------------|-----------------|-------------------------------------------|----------------------------|---------|------|
| Movement Start Voltage | V <sub>BR</sub> | I <sub>R</sub> = 1mA                      | MIN 74<br>TYP 82<br>MAX 90 | —       | V    |
| Restriction Voltage    | V <sub>GL</sub> | I <sub>PP</sub> = 2.5A                    | MAX 118                    | —       | V    |
| Leak Current           | I <sub>R</sub>  | V <sub>R</sub> = V <sub>RM</sub>          | MAX 5                      | MAX 5   | μ A  |
| Reverse Recovery Time  | trr             | I <sub>F</sub> /I <sub>R</sub> =0.1A/0.3A | —                          | MAX 500 | ns   |
| Thermal Resistance     | θ jL            | Junction to lead                          | MAX 13                     | MAX 13  | °C/W |

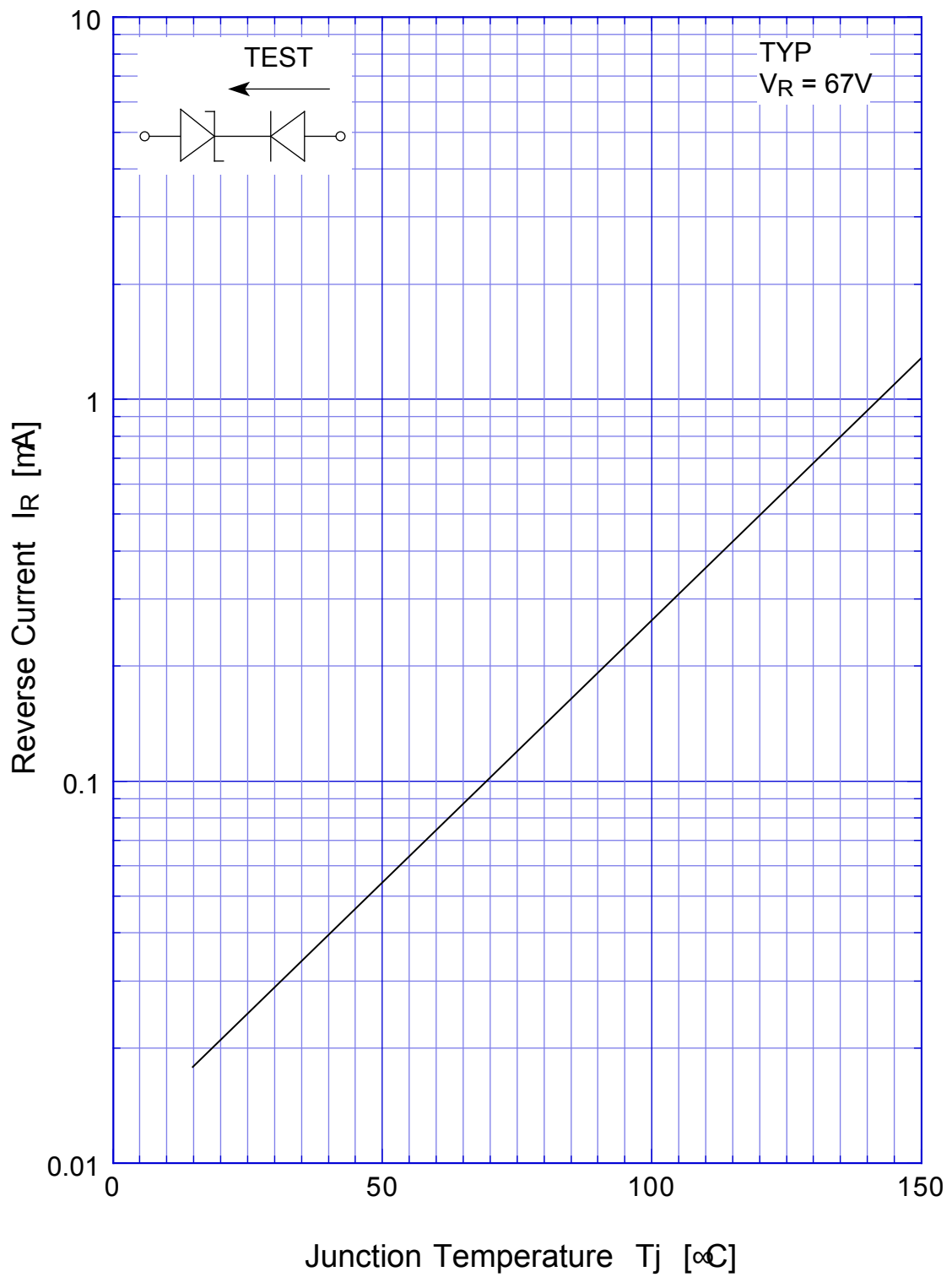
# ST03D-82

## Breakdown Voltage



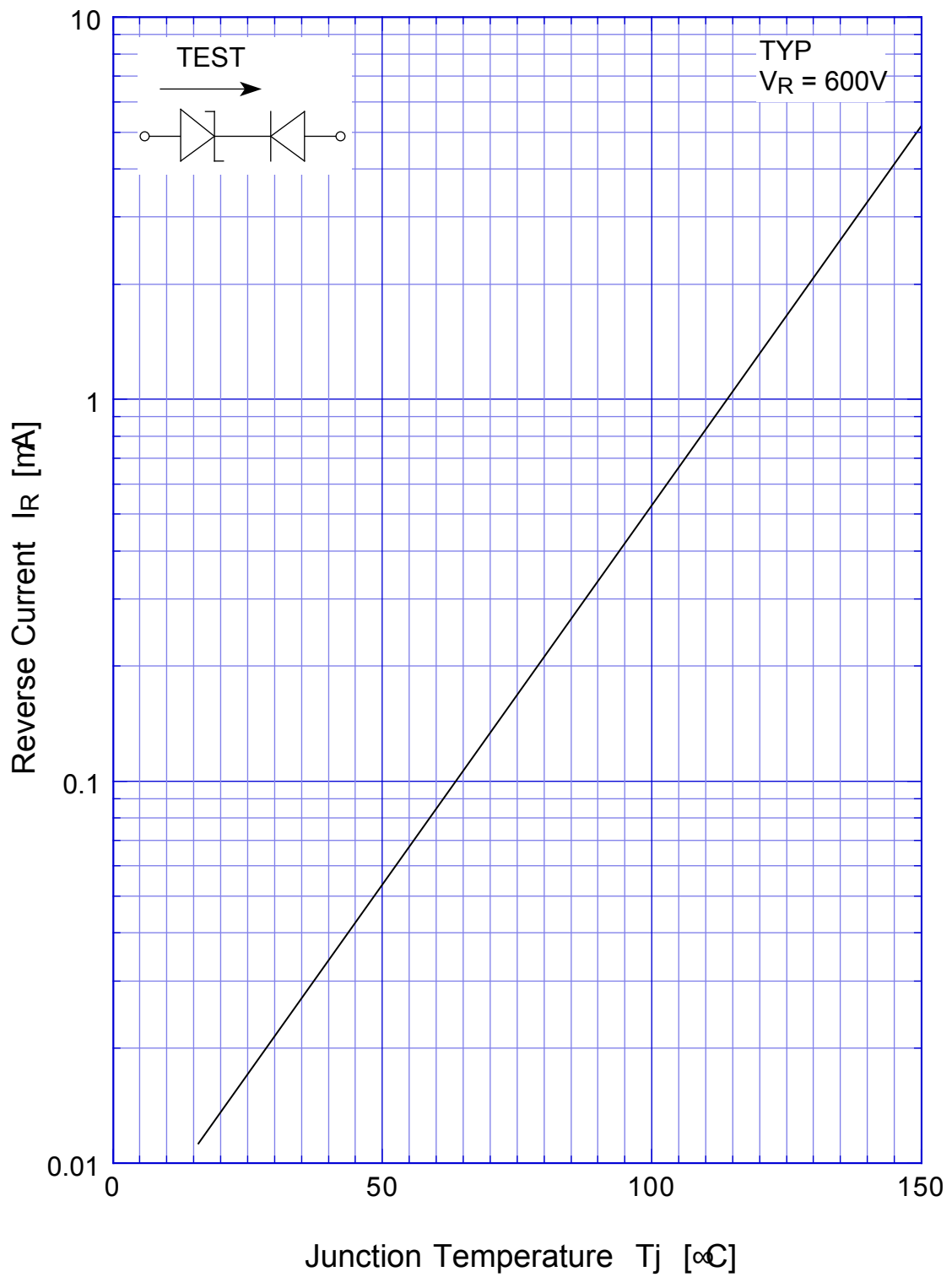
ST03D-82

Reverse Current



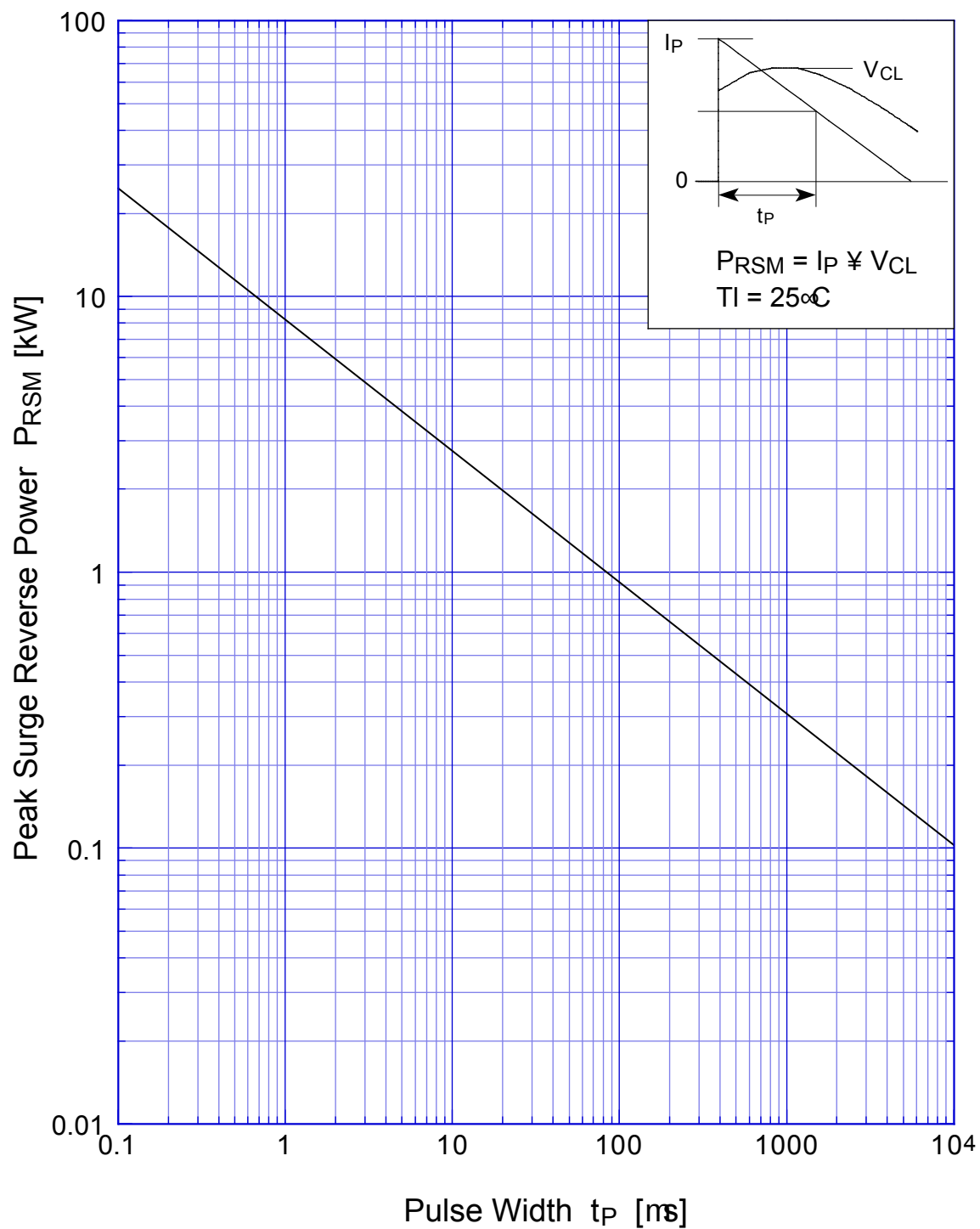
ST03D-82

Reverse Current



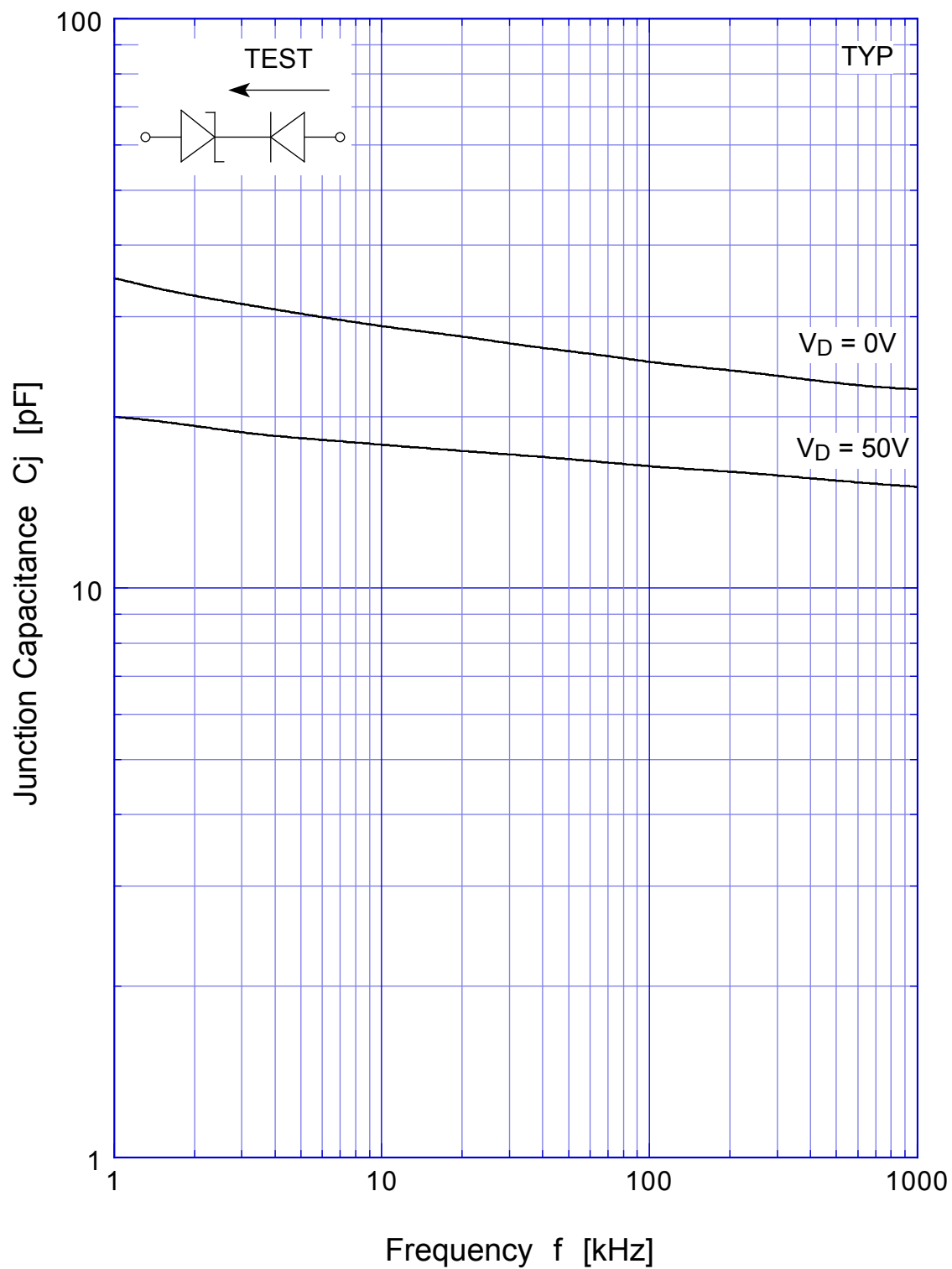
ST03D-82

Peak Surge Reverse Power



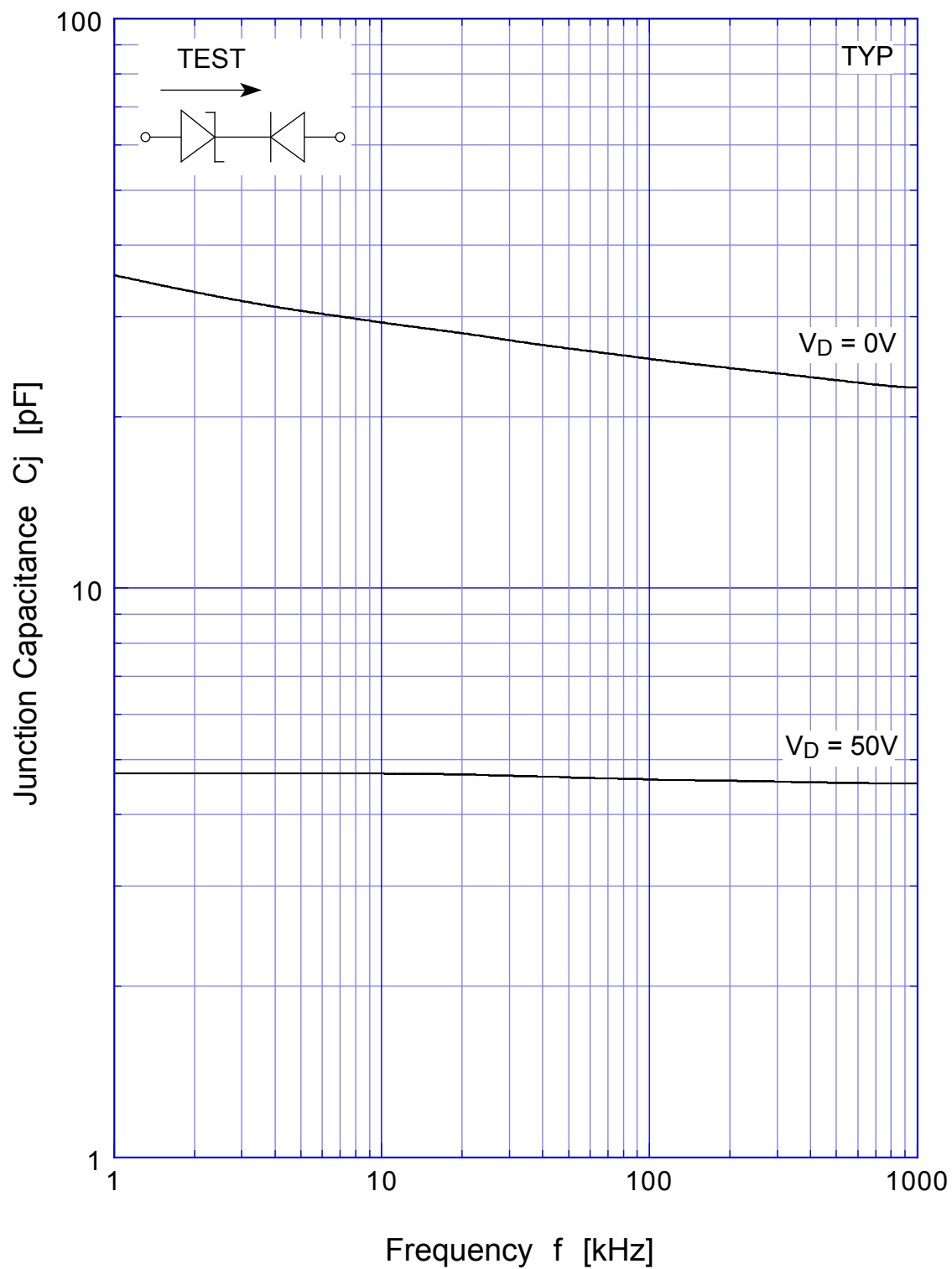
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Junction Capacitance



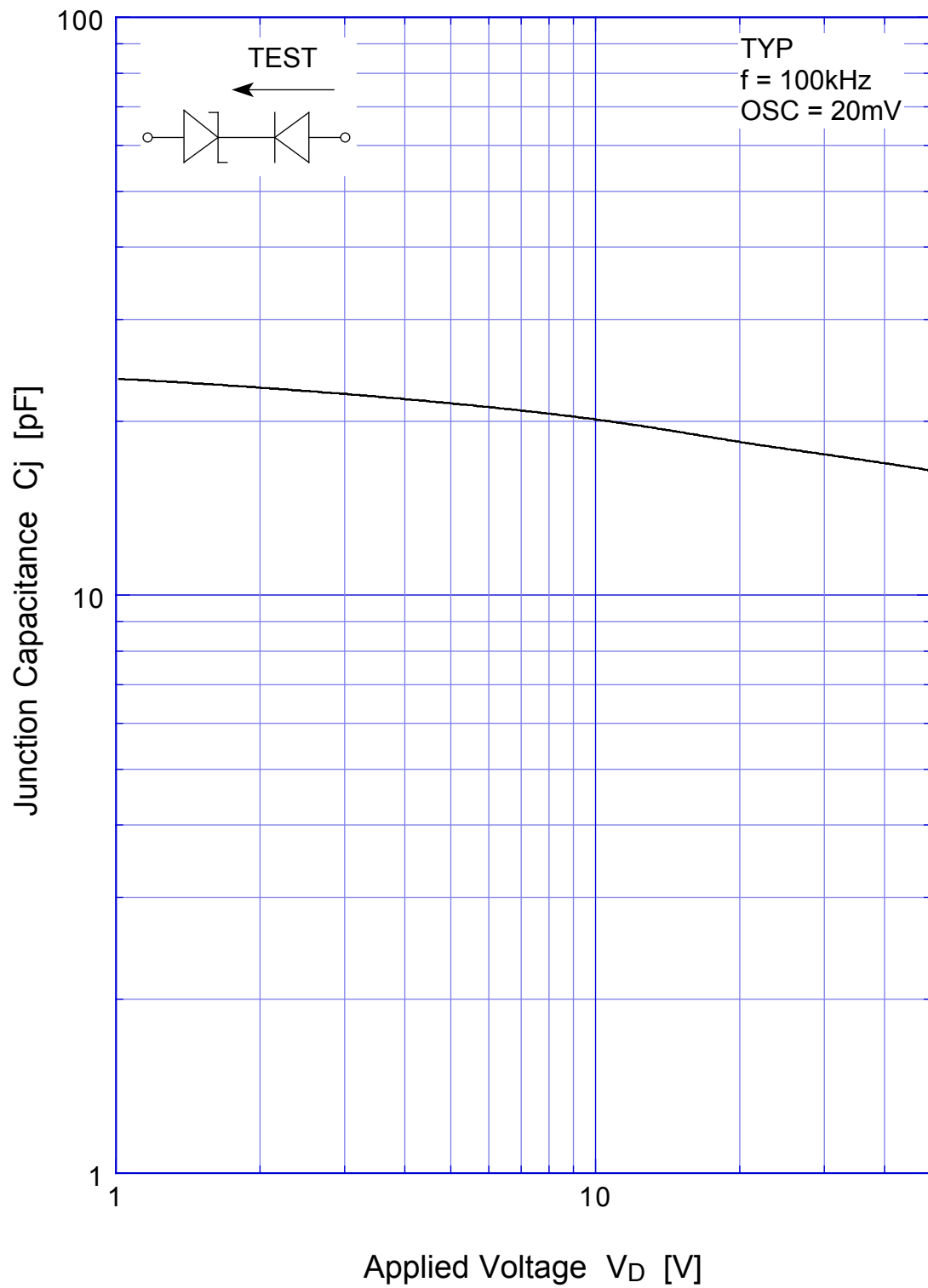
ST03D-82

Junction Capacitance



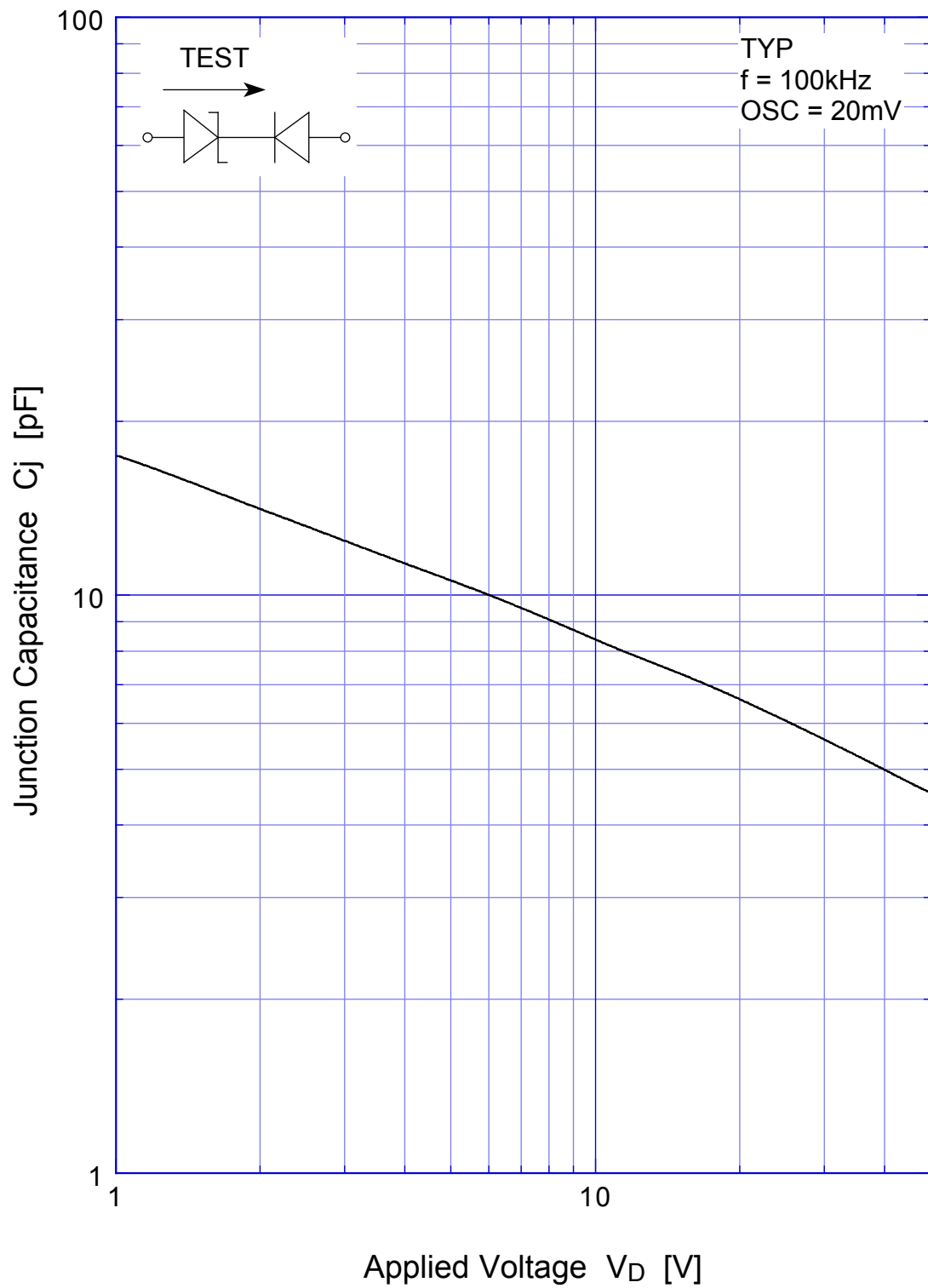
# ST03D-82

## Junction Capacitance



# ST03D-82

## Junction Capacitance



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Datasheets for electronics components.