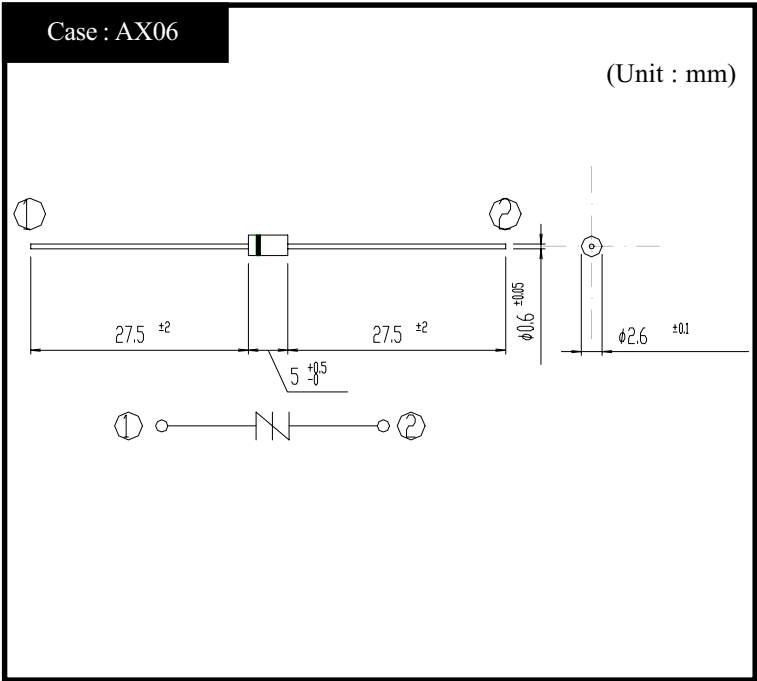


KA3Z18

OUTLINE DIMENSIONS



RATINGS

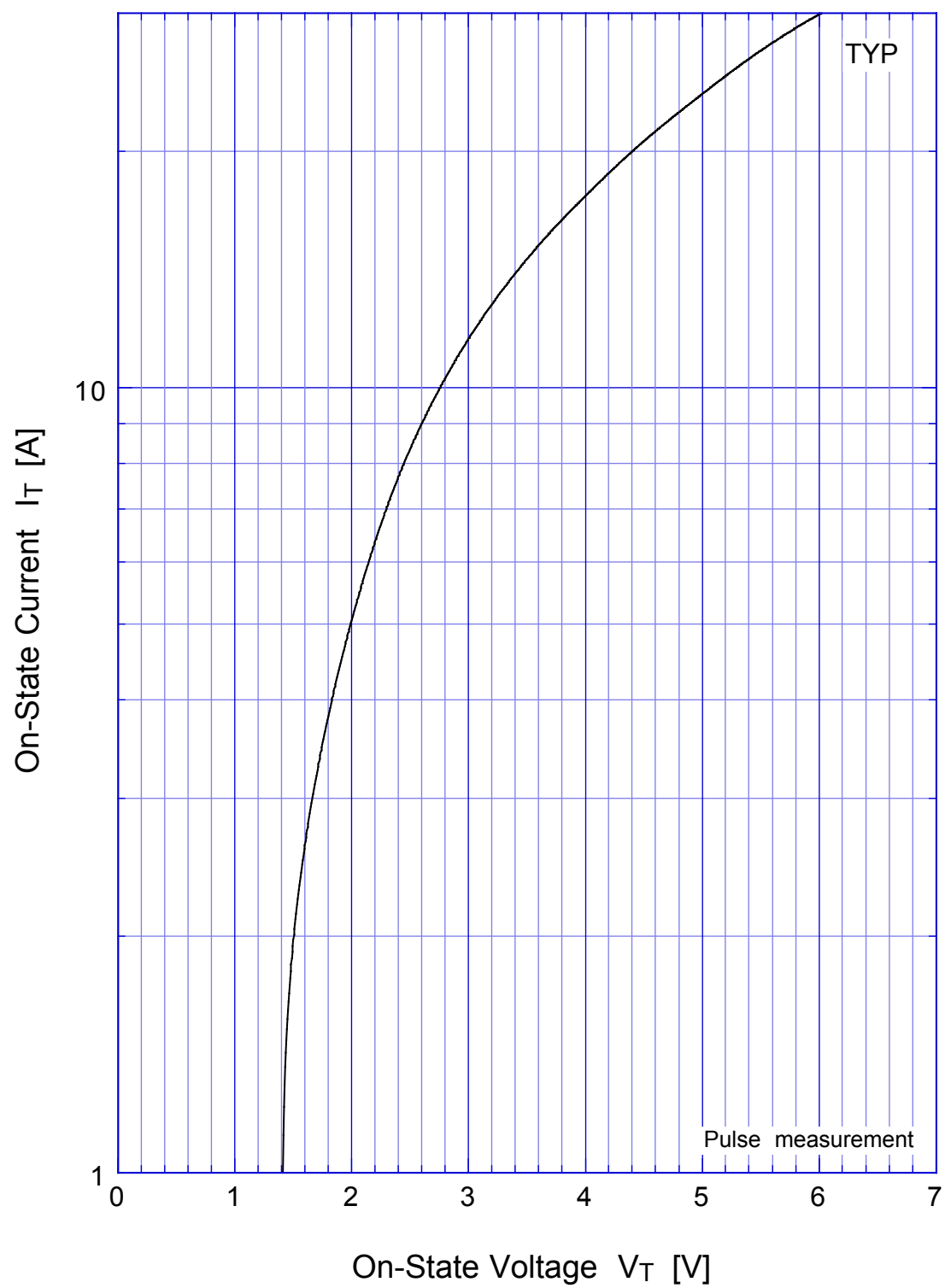
●Absolute Maximum Ratings

| Item                      | Symbol           | Conditions                  | Ratings | Unit |
|---------------------------|------------------|-----------------------------|---------|------|
| Storage Temperature       | T <sub>stg</sub> |                             | -40~125 | °C   |
| Junction Temperature      | T <sub>j</sub>   |                             | 125     | °C   |
| Maximum Off-State Voltage | V <sub>DRM</sub> |                             | 15      | V    |
| Surge On-State Current    | I <sub>TSM</sub> | 10/1000 μ s, Non-repetitive | 30      | A    |
|                           |                  | 8/20 μ s, Non-repetitive    | 150     |      |

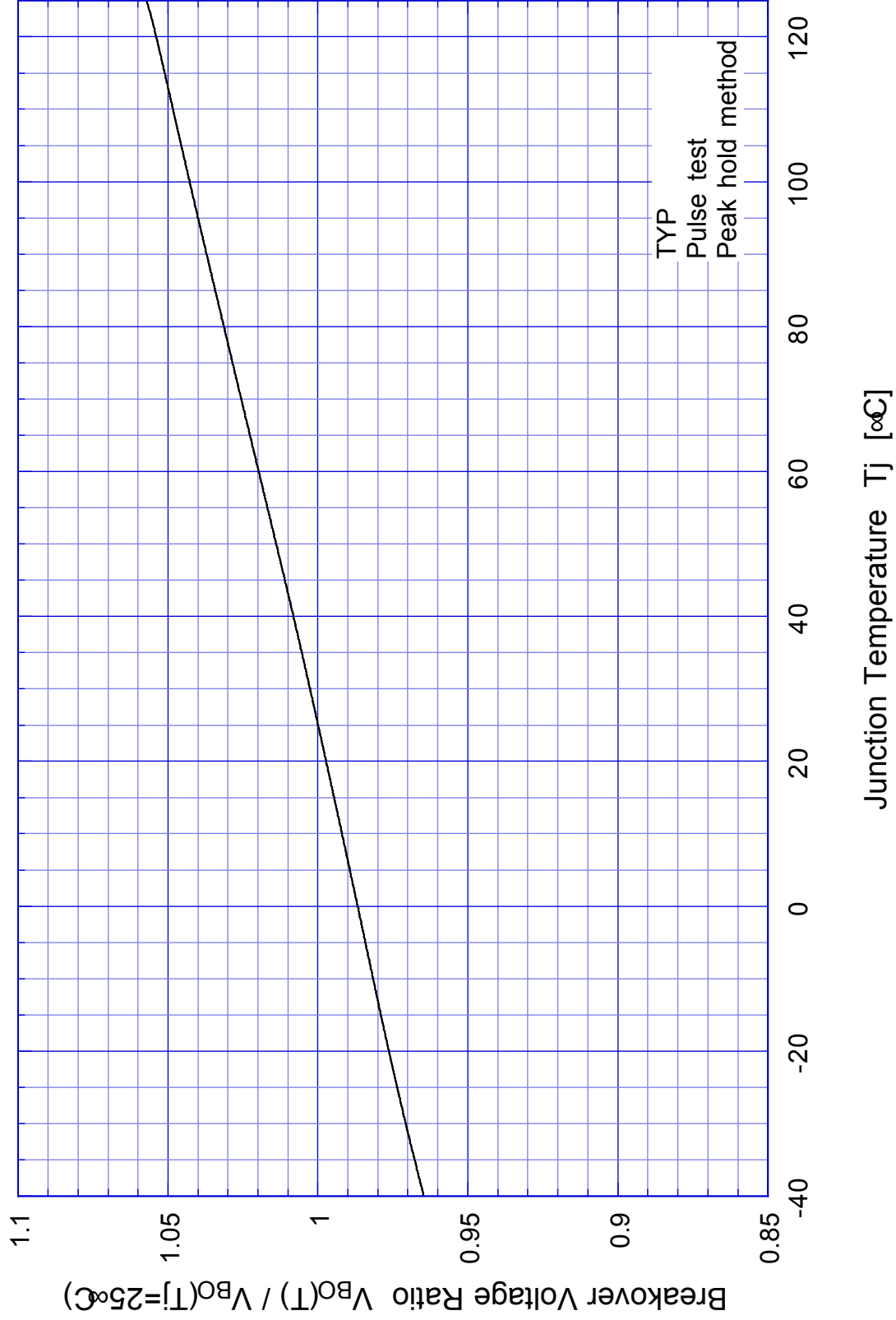
●Electrical Characteristics (Tl=25°C)

| Item                 | Symbol           | Conditions                                  | Ratings  | Unit |
|----------------------|------------------|---------------------------------------------|----------|------|
| Breakdown Voltage    | V <sub>BR</sub>  | I <sub>BR</sub> = 1mA                       | Min 15.5 | V    |
| Off-State Current    | I <sub>DRM</sub> | V <sub>D</sub> = V <sub>DRM</sub>           | Max 10   | μ A  |
| Holding Current      | I <sub>H</sub>   | Pulse measurement                           | Min 50   | mA   |
| On-State Voltage     | V <sub>T</sub>   | I <sub>T</sub> = 2A                         | TYP 1.5  | V    |
| Junction Capacitance | C <sub>j</sub>   | f = 1kHz<br>OSC = 20mV, V <sub>D</sub> = 0V | Max 100  | pF   |

## KA3Z18 On-State Voltage - On-State Current

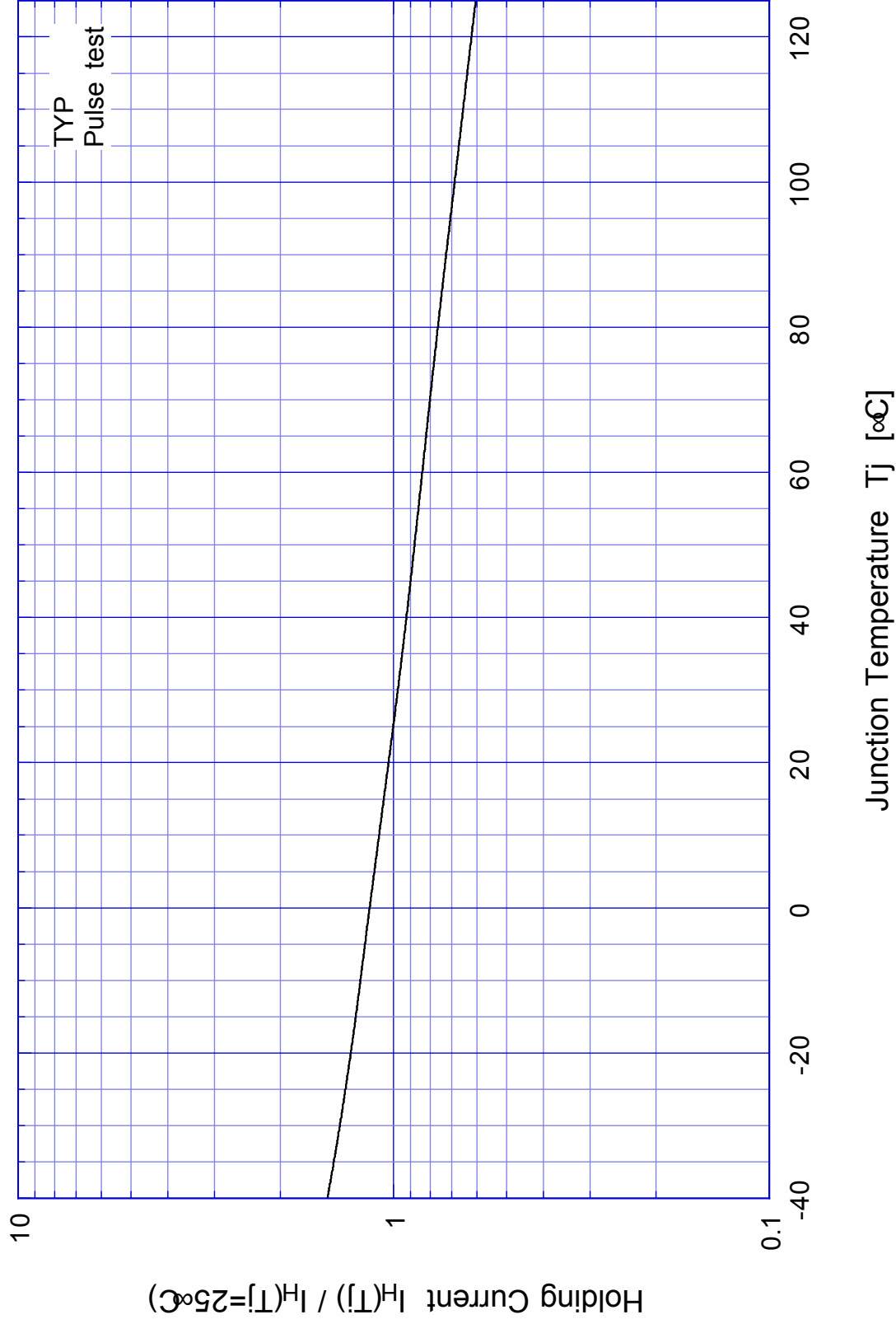


# KA3Z18 Breakover Voltage - Junction Temperature

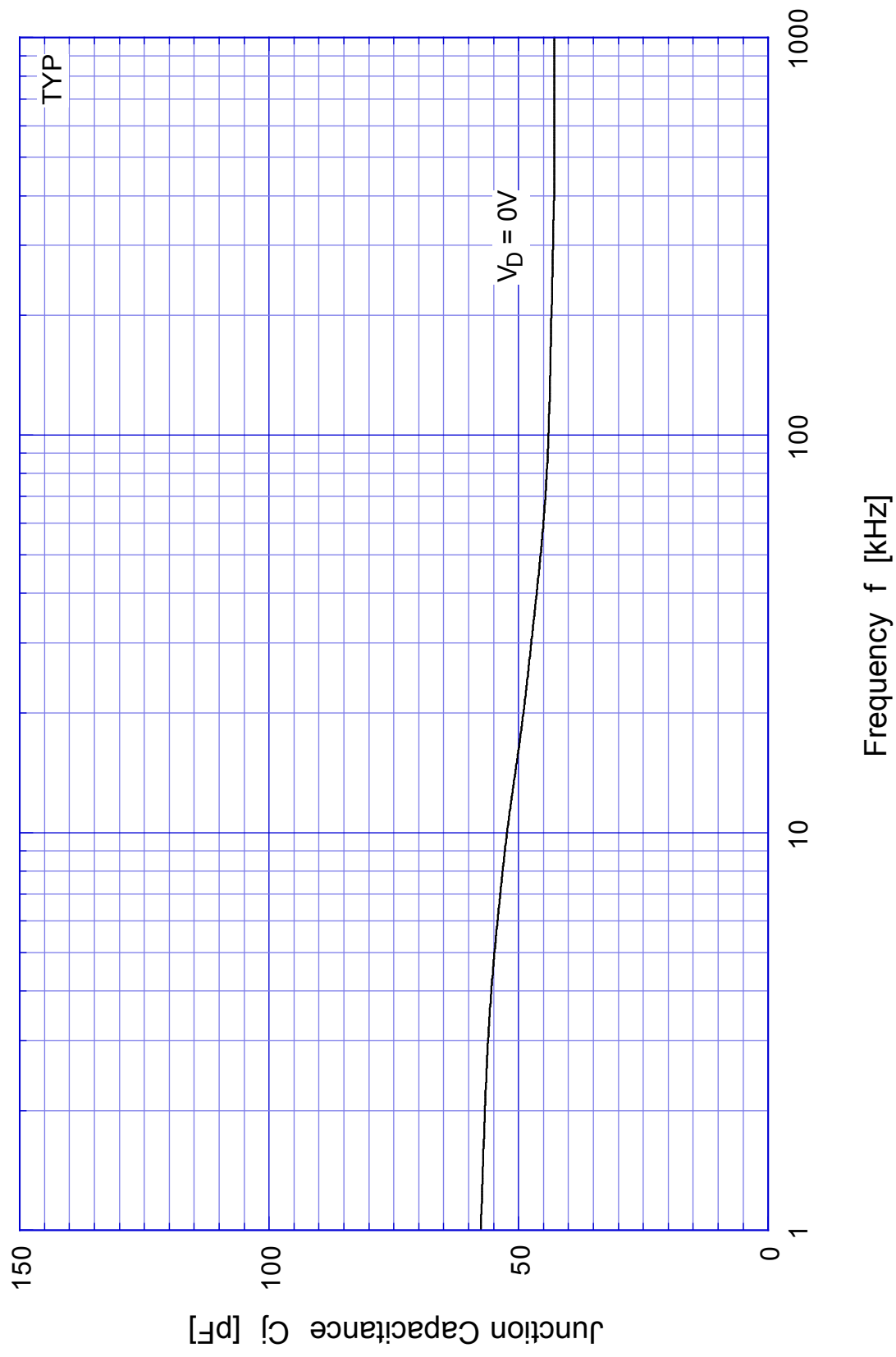


KA3Z18      Holding Current - Junction Temperature

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# KA3Z18 Junction Capacitance



KA3Z18      Junction Capacitance

