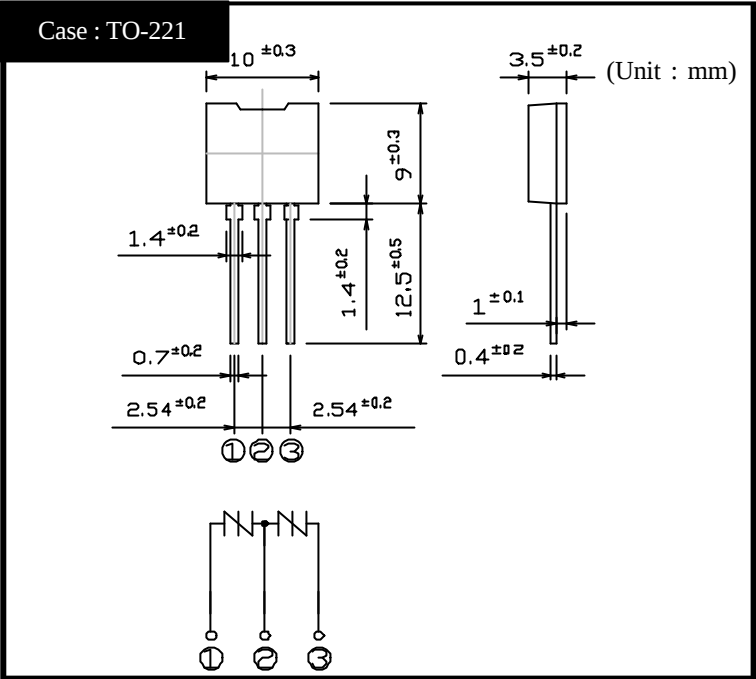


KT10L07

OUTLINE DIMENSIONS



RATINGS

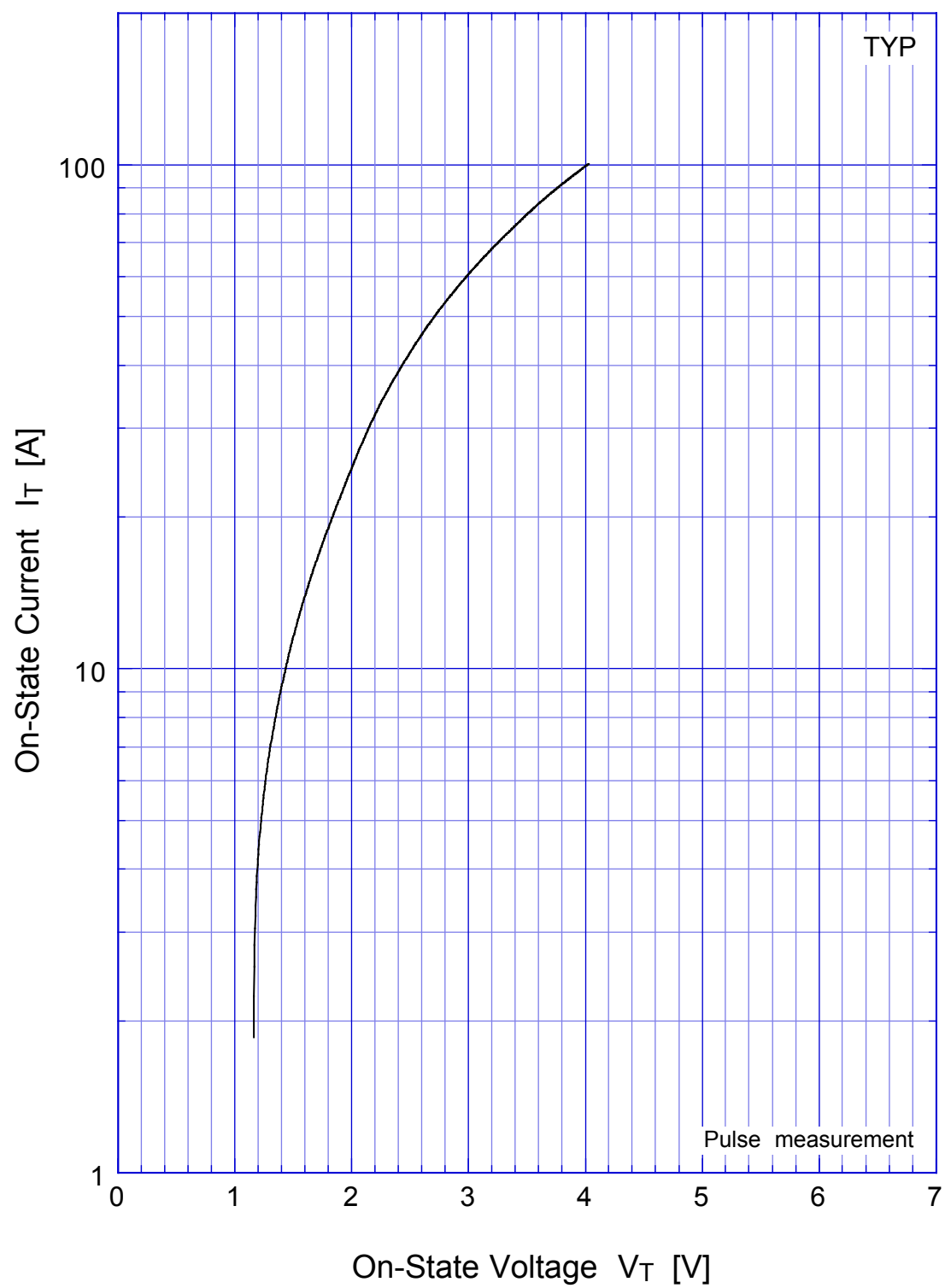
● Absolute Maximum Ratings

| Item                      | Symbol           | Conditions                 | Ratings   | Unit |
|---------------------------|------------------|----------------------------|-----------|------|
| Storage Temperature       | Tstg             |                            | -40 ~ 125 |      |
| Junction Temperature      | Tj               |                            | 125       |      |
| Maximum Off-State Voltage | V <sub>DRM</sub> |                            | 58        | V    |
| Surge On-State Current    | I <sub>TSM</sub> | 10/1000 μs, Non-repetitive | 100       | A    |
|                           |                  | 10/200 μs, Non-repetitive  | 150       |      |
|                           |                  | 8/20 μs, Non-repetitive    | 250       |      |

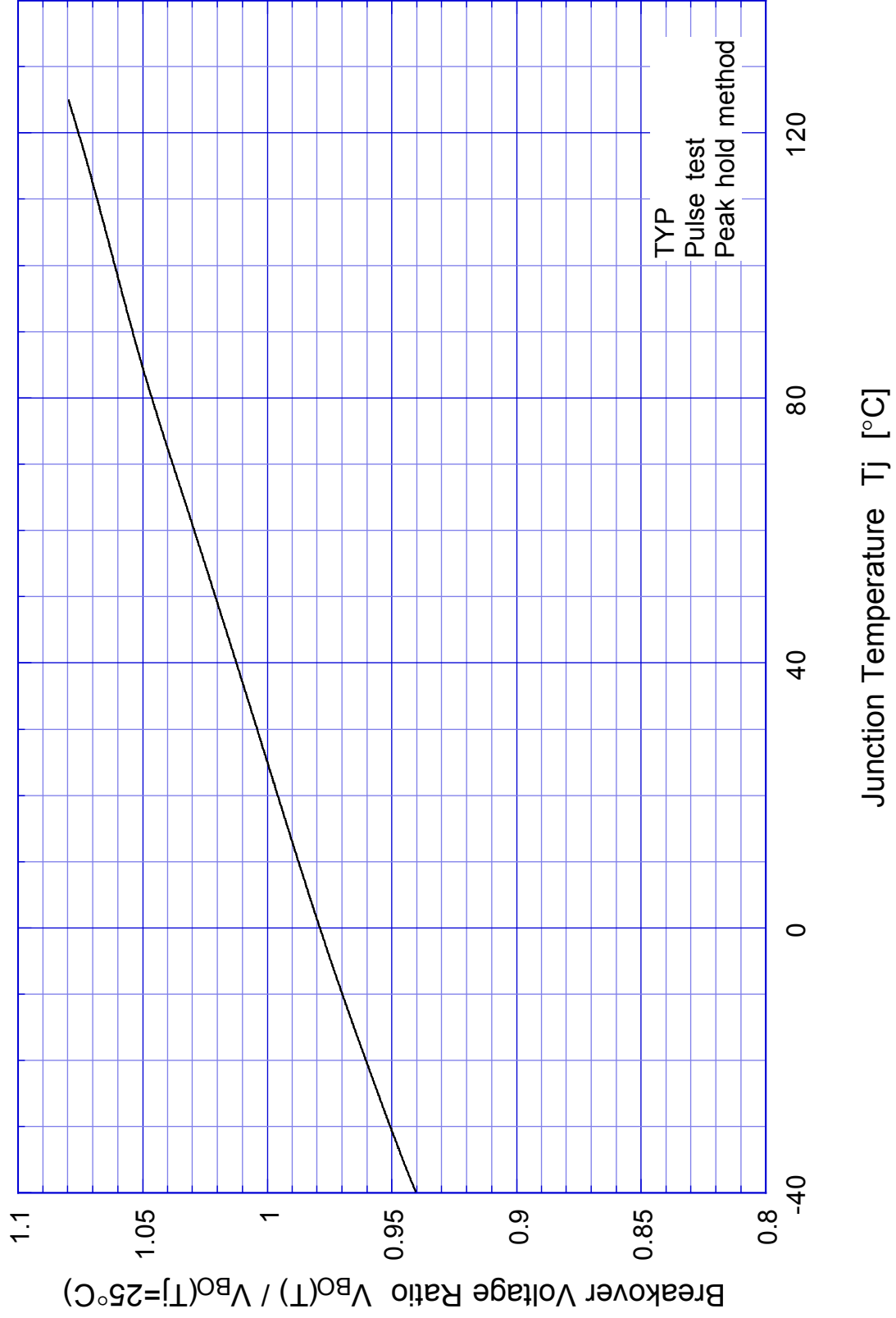
● Electrical Characteristics (Tl=25 )

| Item                 | Symbol           | Conditions                                 | Ratings  | Unit |
|----------------------|------------------|--------------------------------------------|----------|------|
| Breakover Voltage    | V <sub>BO</sub>  | Pulse measurement (Peak hold)              | Min 65   | V    |
| Off-State Current    | I <sub>DRM</sub> | V <sub>D</sub> = V <sub>DRM</sub>          | Max 10   | μA   |
| Holding Current      | I <sub>H</sub>   | Pulse measurement                          | Min 100  | mA   |
| On-State Voltage     | V <sub>T</sub>   | I <sub>T</sub> = 2A                        | TYP 1.15 | V    |
| Junction Capacitance | C <sub>j</sub>   | f = 1kHz<br>OSC = 1V, V <sub>D</sub> = 50V | Max 180  | pF   |
| Clamping Voltage     | V <sub>CL</sub>  | dv/dt = 100V/ μs                           | Max 80   | V    |

## KT10L07 On-State Voltage - On-State Current

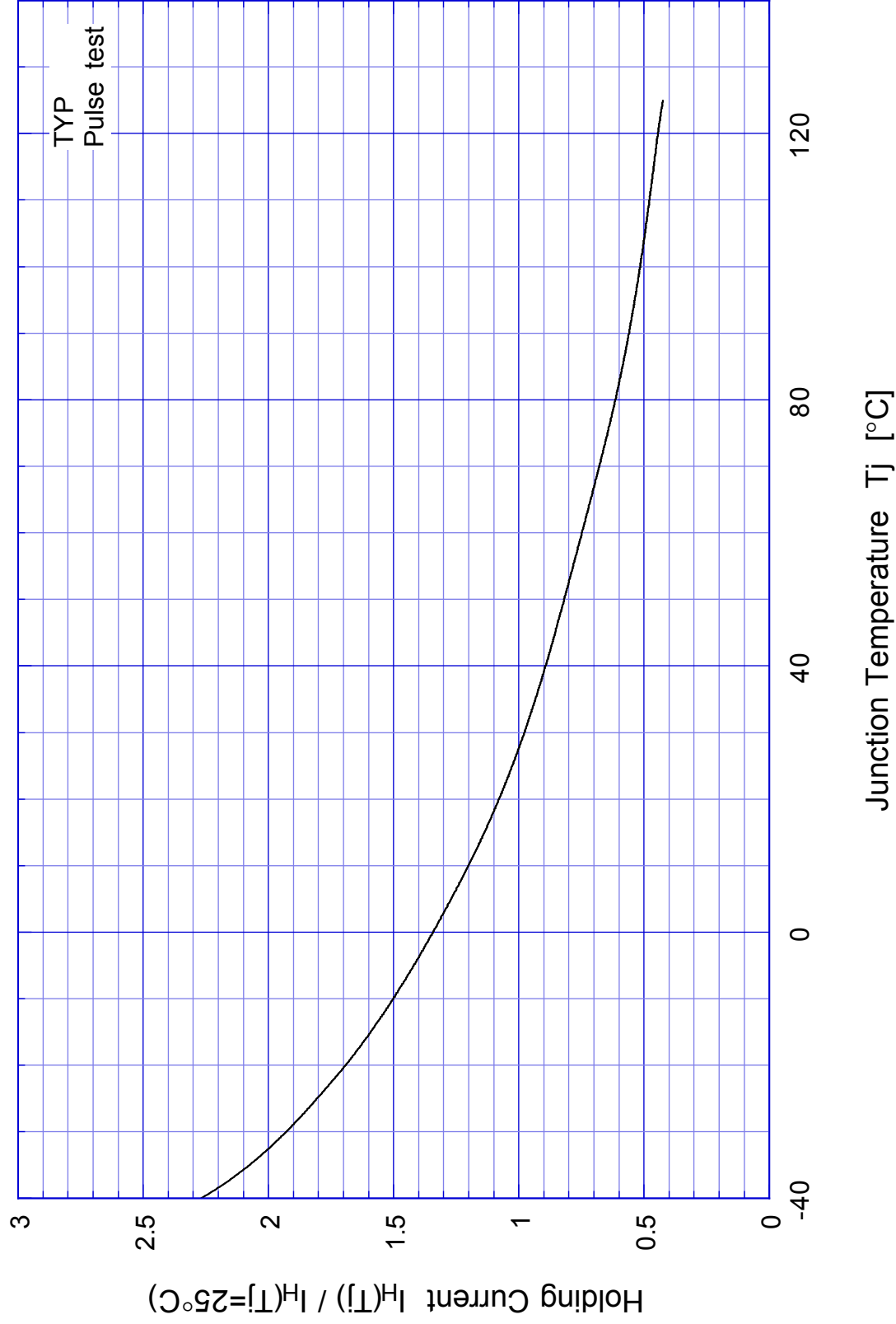


KT10L07 Breakover Voltage - Junction Temperature

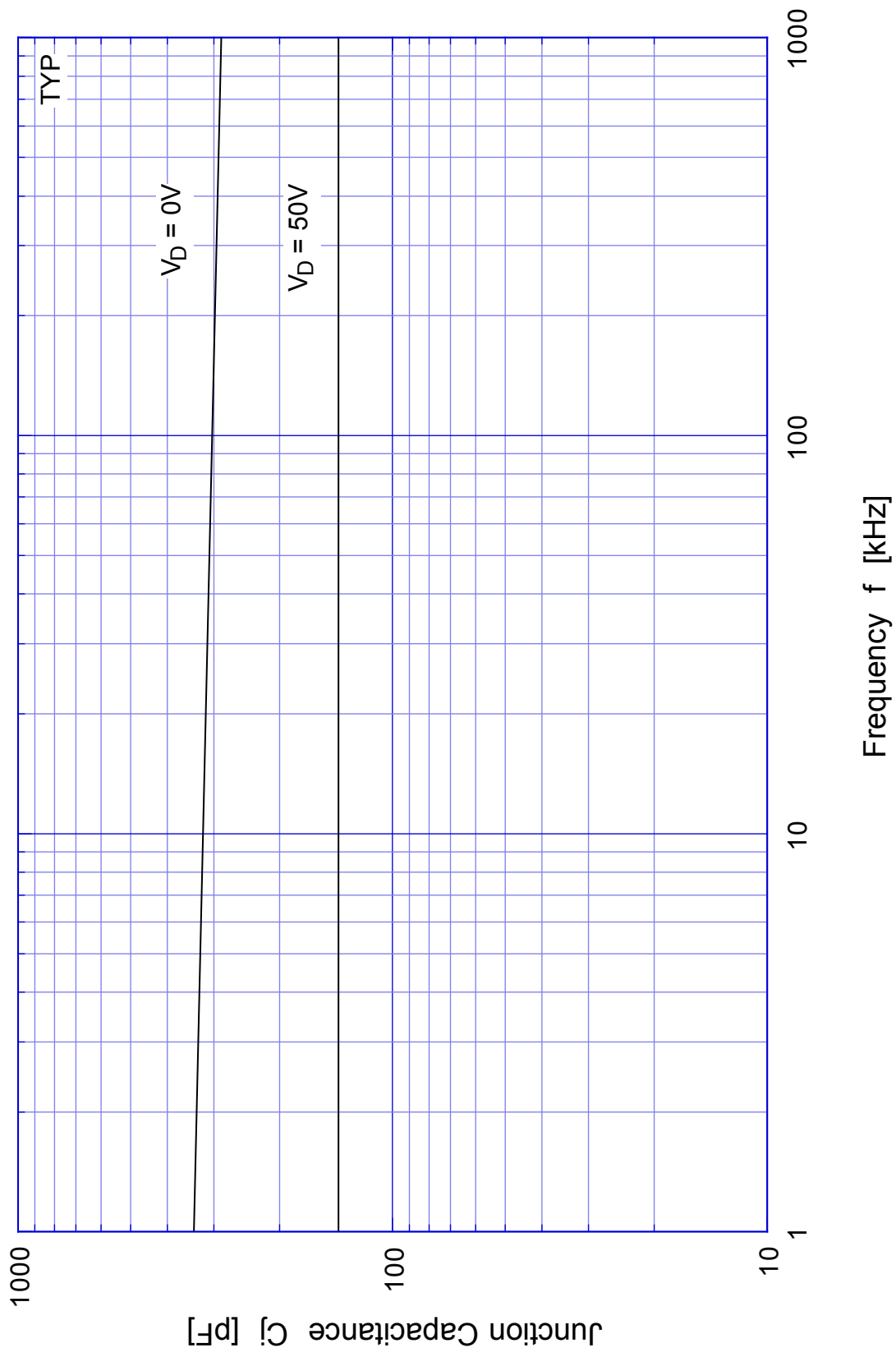


KT10L07    Holding Current - Junction Temperature

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# KT10L07 Junction Capacitance



KT10L07      Junction Capacitance

