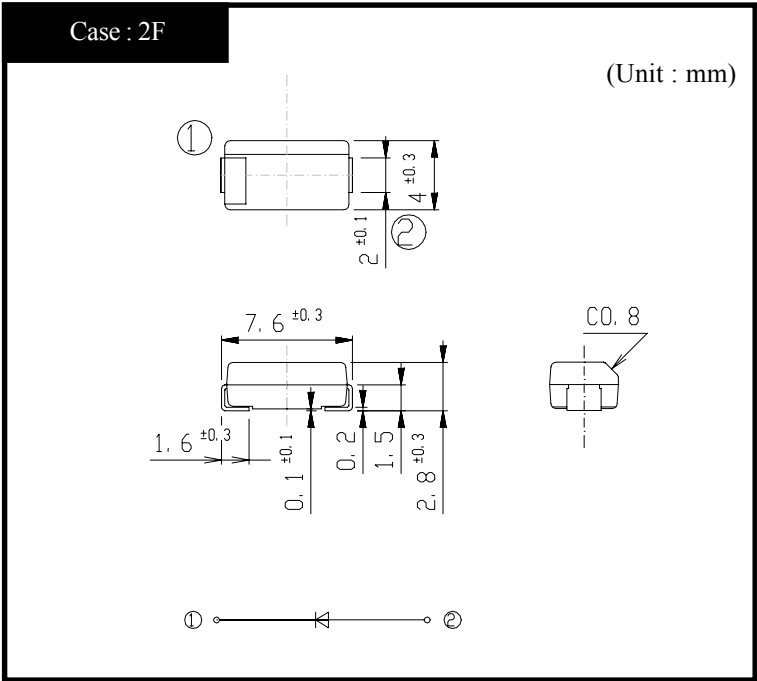


KP10N14

OUTLINE DIMENSIONS



RATINGS

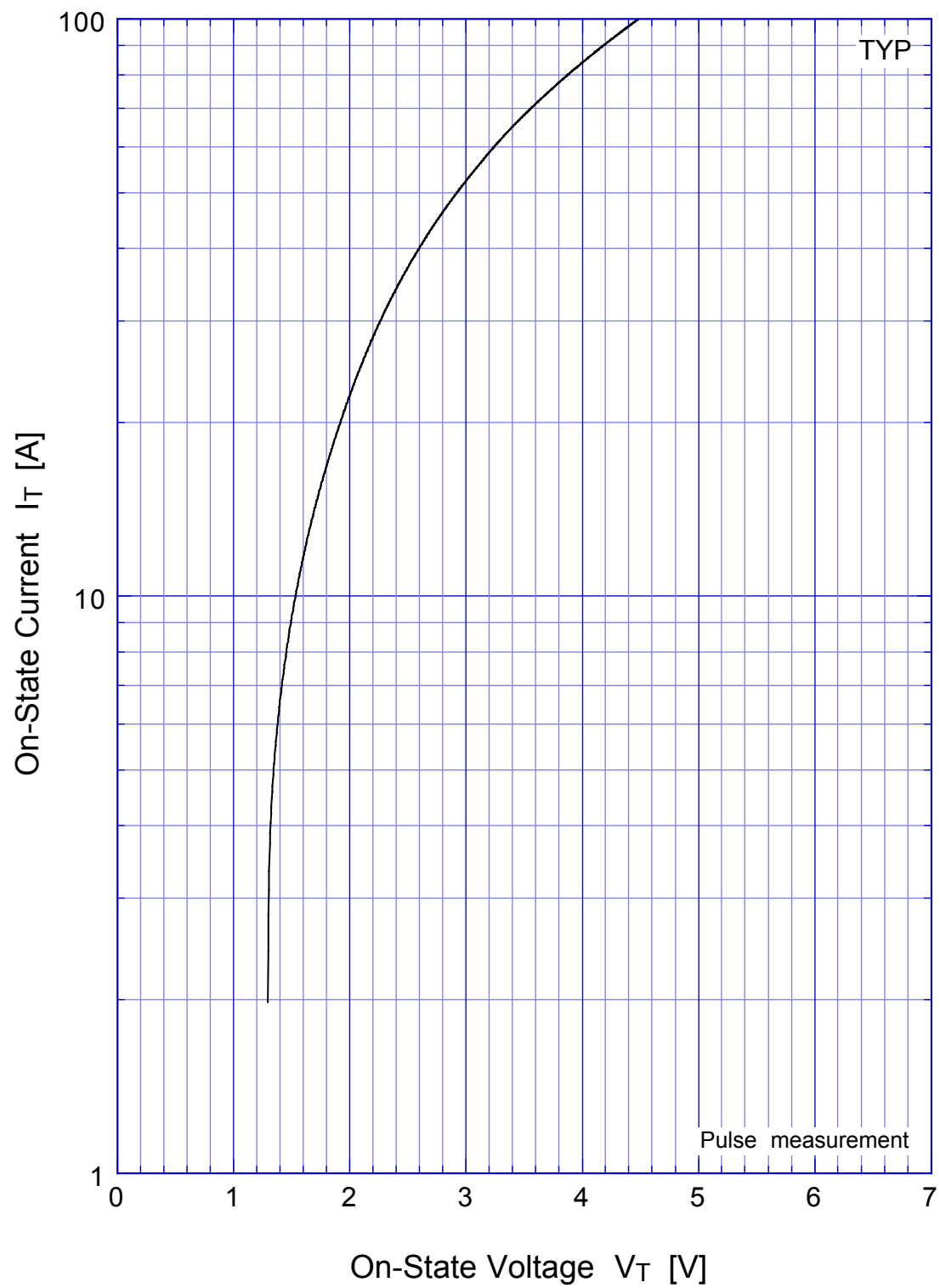
●Absolute Maximum Ratings

| 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> |                             | 120     | V    |
| Surge On-State Current    | I <sub>TSM</sub> | 10/1000 μ s, Non-repetitive | 100     | A    |
|                           |                  | 10/200 μ s, Non-repetitive  | 150     |      |
|                           |                  | 8/20 μ s, Non-repetitive    | 250     |      |

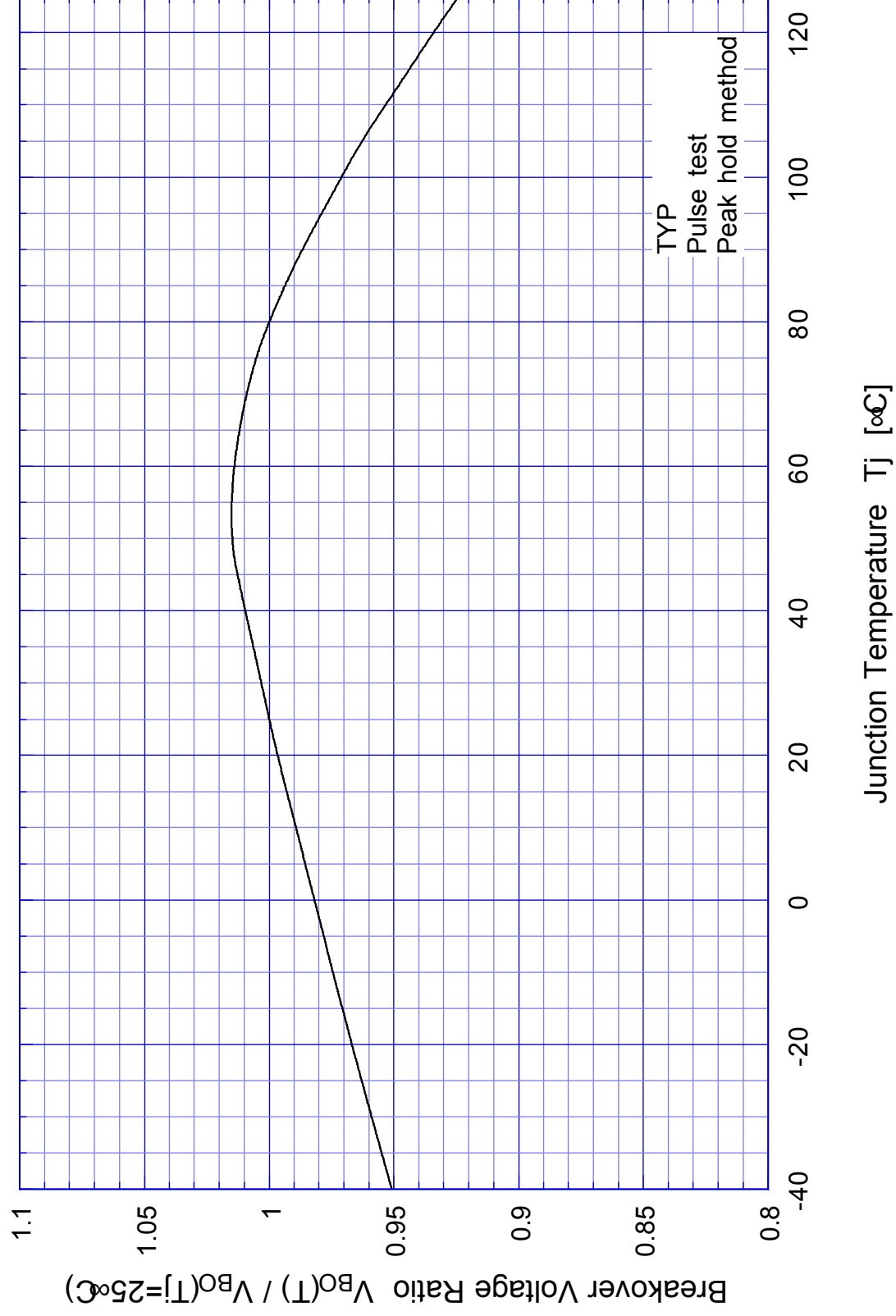
●Electrical Characteristics (Tl=25°C)

| Item                 | Symbol           | Conditions                                 | Ratings  | Unit |
|----------------------|------------------|--------------------------------------------|----------|------|
| Breakover Voltage    | V <sub>BO</sub>  | Pulse measurement (Peak hold)              | Min 130  | 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 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 140  | pF   |
| Clamping Voltage     | V <sub>CL</sub>  | dv/dt = 100V/ μ s                          | Max 195  | V    |

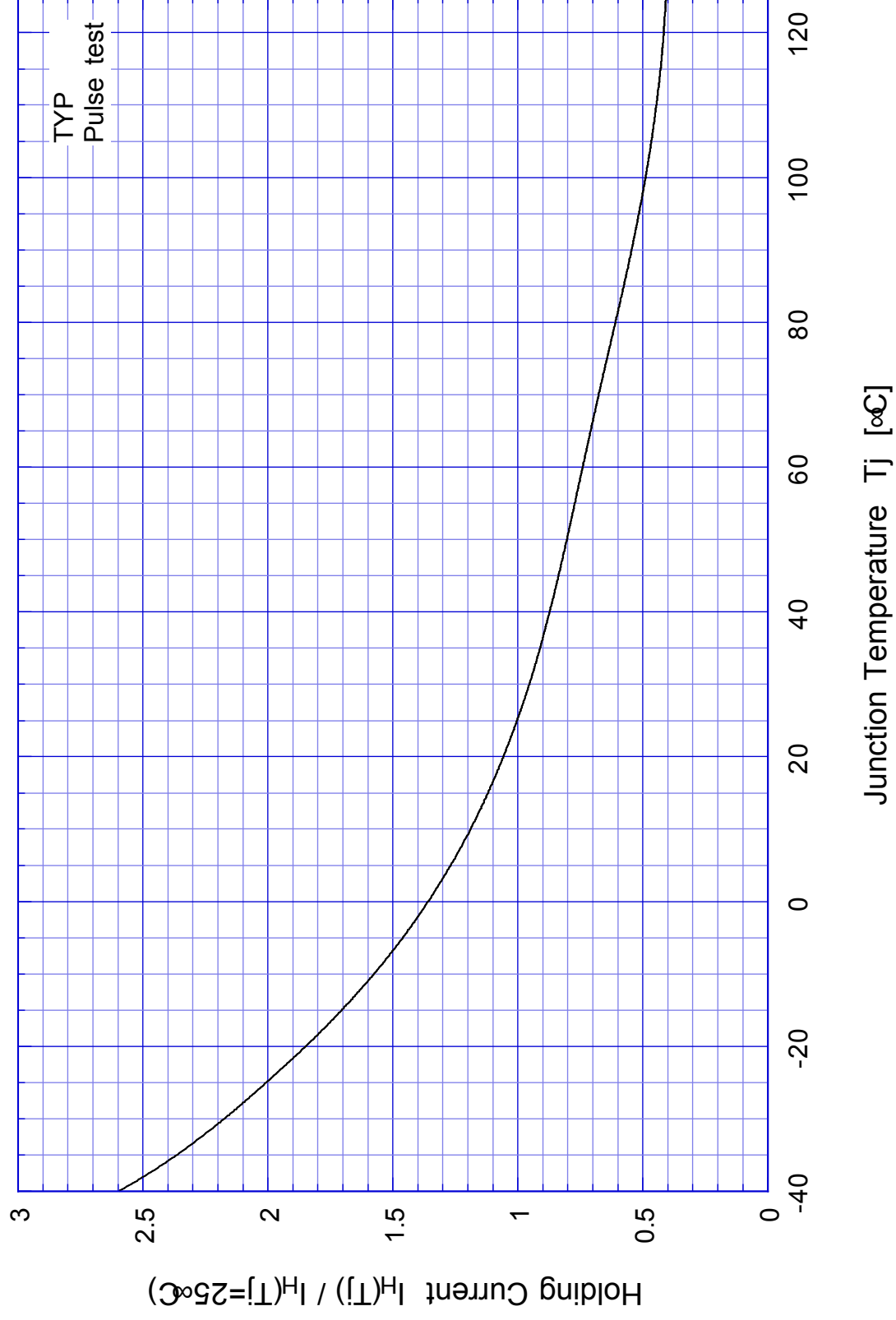
## KP10N14 On-State Voltage - On-State Current



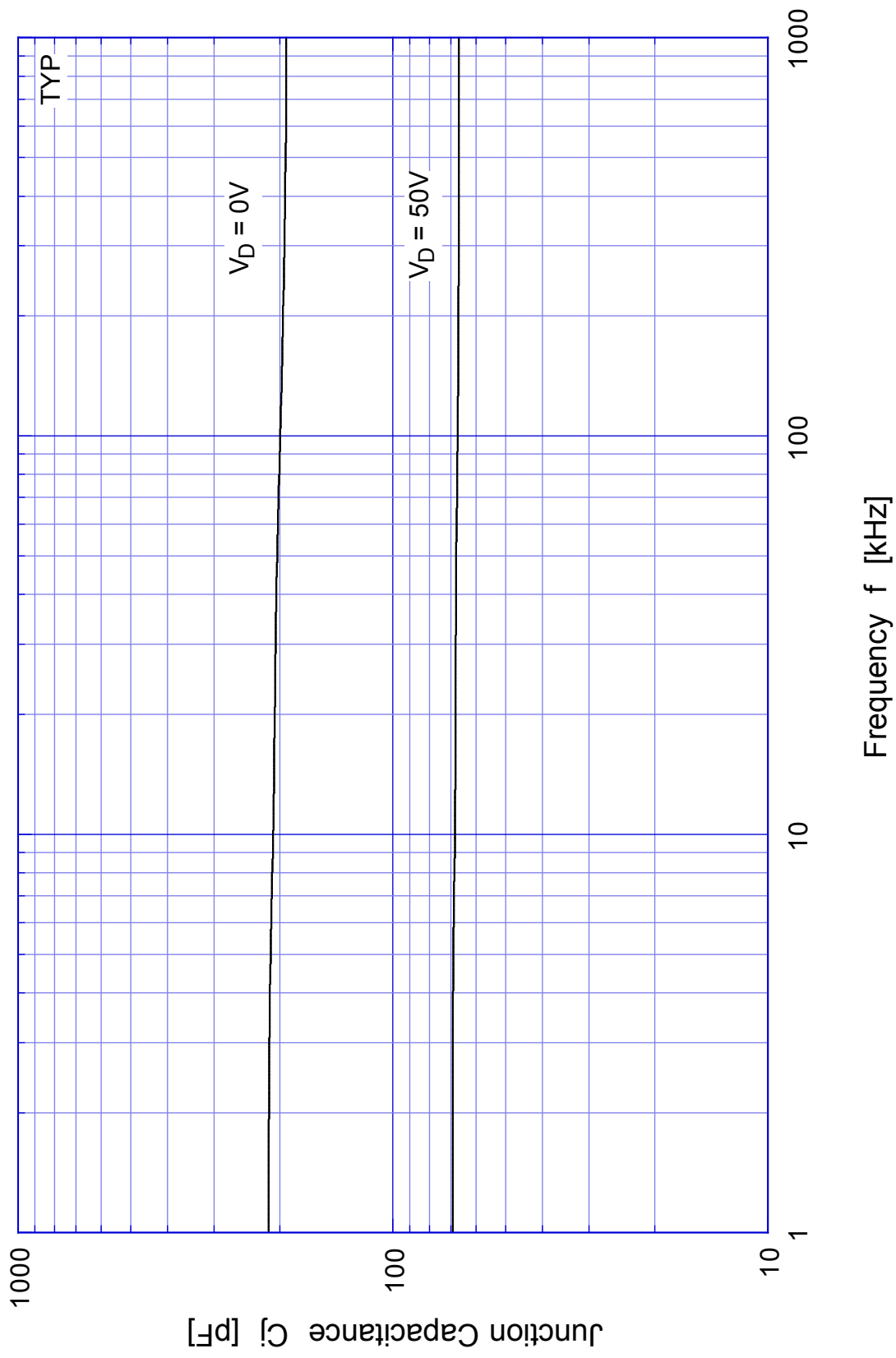
KP10N14 Breakover Voltage - Junction Temperature



## KP10N14 Holding Current - Junction Temperature



# KP10N14 Junction Capacitance



KP10N14      Junction Capacitance

