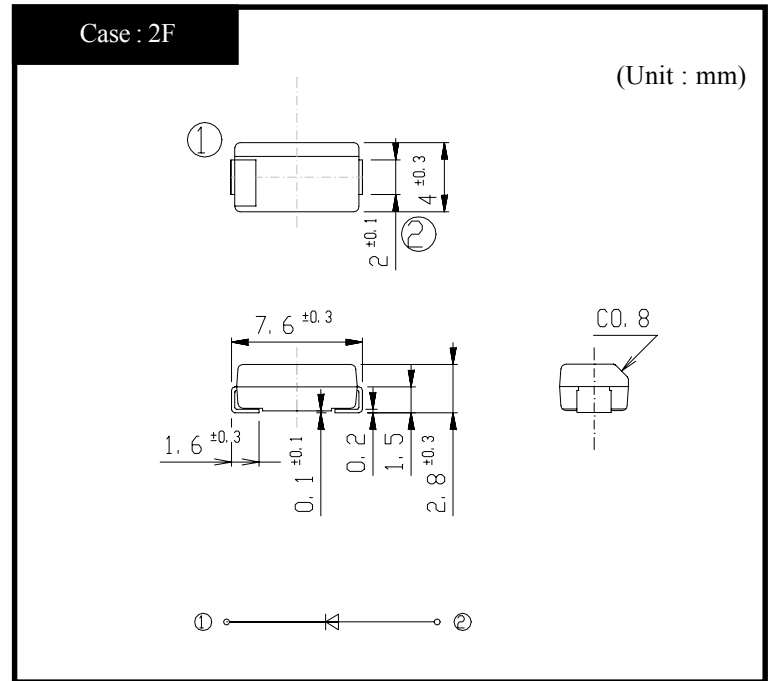


KP10L07

OUTLINE DIMENSIONS



RATINGS

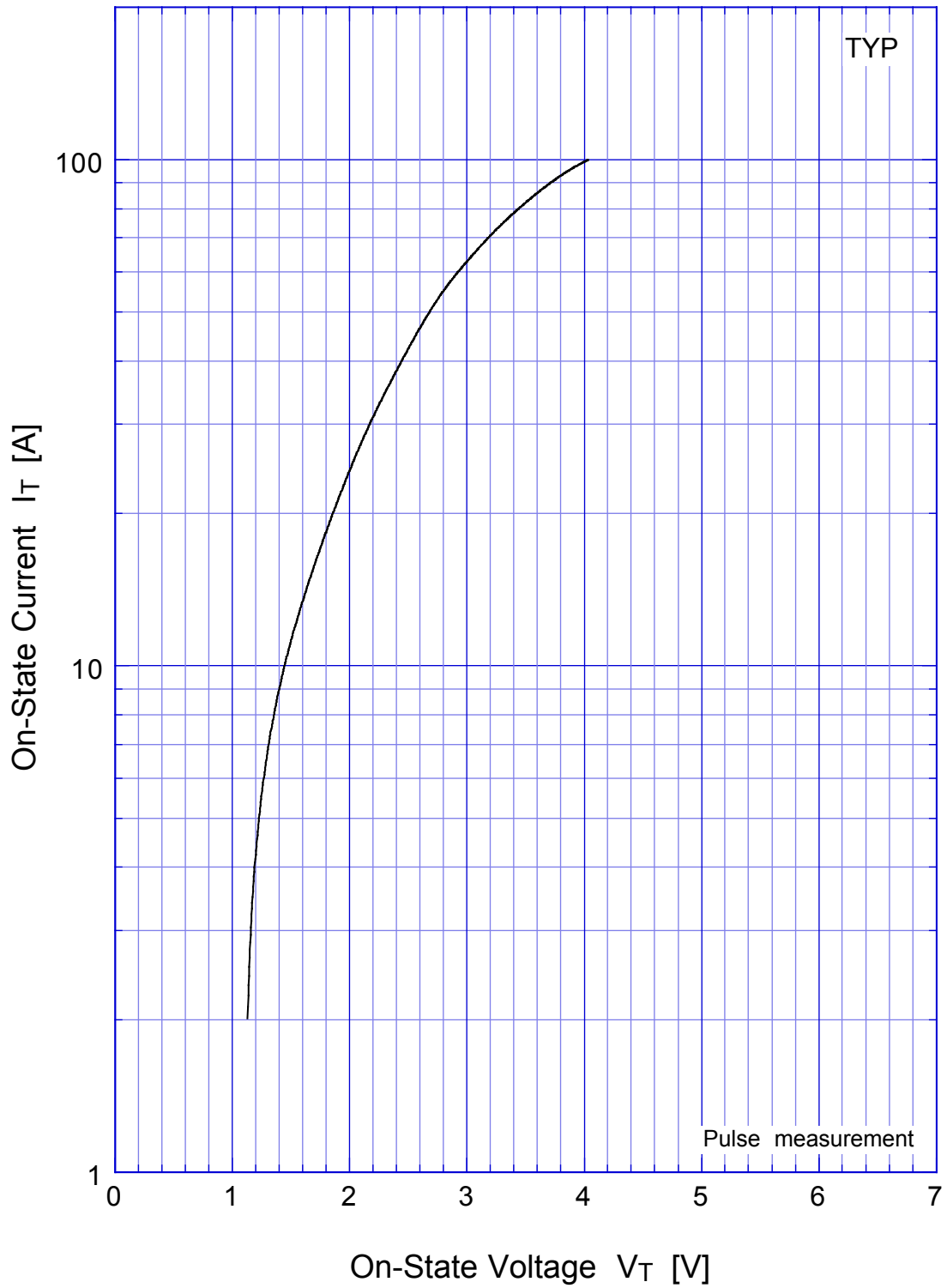
● Absolute Maximum Ratings

| Item | Symbol | Conditions | Ratings | Unit |
|---------------------------|-----------|---------------------------------|---------|------|
| Storage Temperature | T_{stg} | | -40~125 | °C |
| Junction Temperature | T_j | | 125 | °C |
| Maximum Off-State Voltage | V_{DRM} | | 58 | V |
| Surge On-State Current | I_{TSM} | 10/1000 μ s, Non-repetitive | 100 | A |
| | | 10/200 μ s, Non-repetitive | 150 | |
| | | 8/20 μ s, Non-repetitive | 250 | |

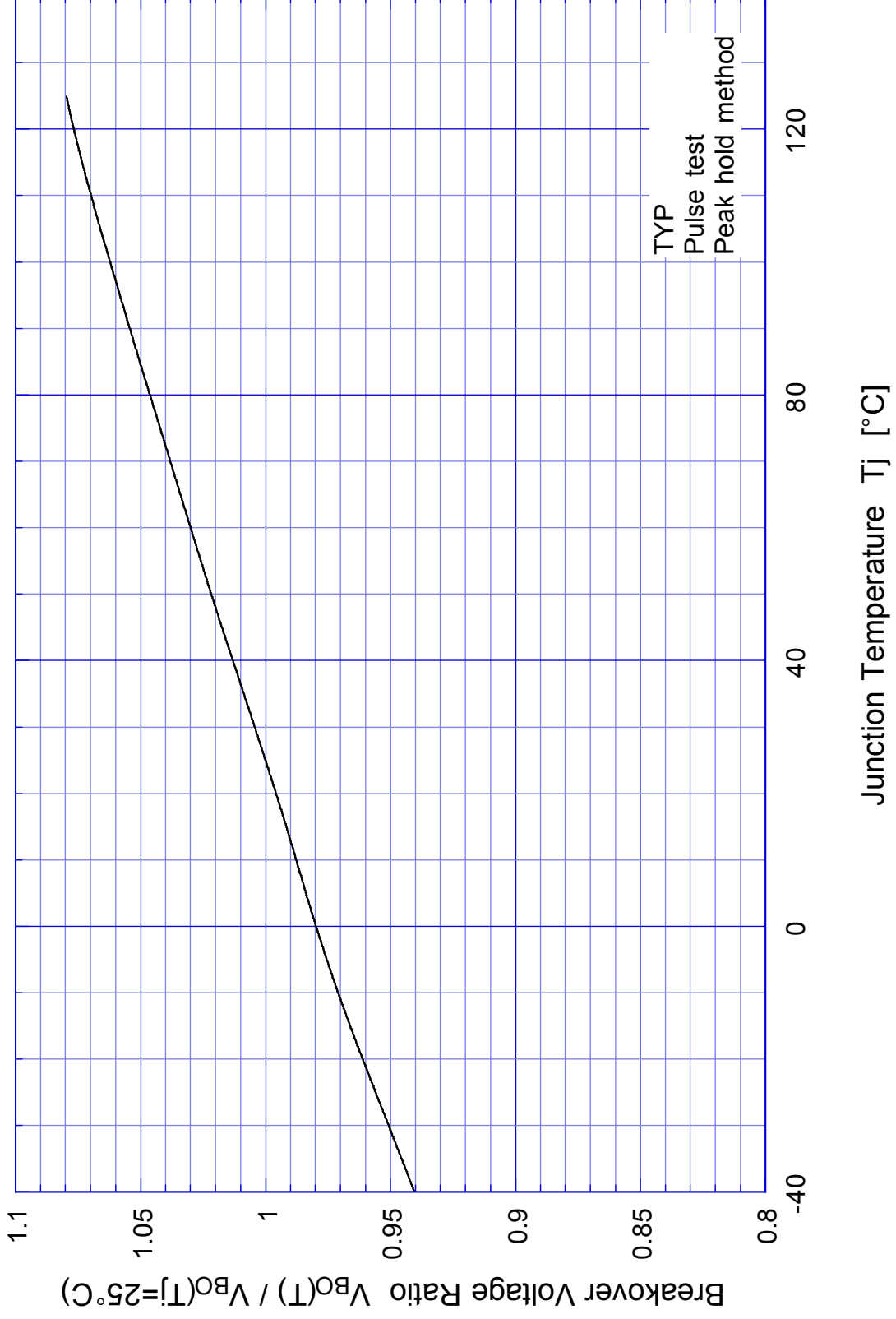
● Electrical Characteristics (Tl=25°C)

| Item | Symbol | Conditions | Ratings | Unit |
|----------------------|-----------|-----------------------------------|----------|---------|
| Breakover Voltage | V_{BO} | Pulse measurement (Peak hold) | Min 65 | V |
| Off-State Current | I_{DRM} | $V_D = V_{DRM}$ | Max 10 | μ A |
| Holding Current | I_H | Pulse measurement | Min 100 | mA |
| On-State Voltage | V_T | $I_T = 2A$ | TYP 1.15 | V |
| Junction Capacitance | C_j | f = 1kHz OSC = 1V, $V_D = 50V$ | Max 180 | pF |
| Clamping Voltage | V_{CL} | dv/dt = 100V/ μ s | Max 80 | V |

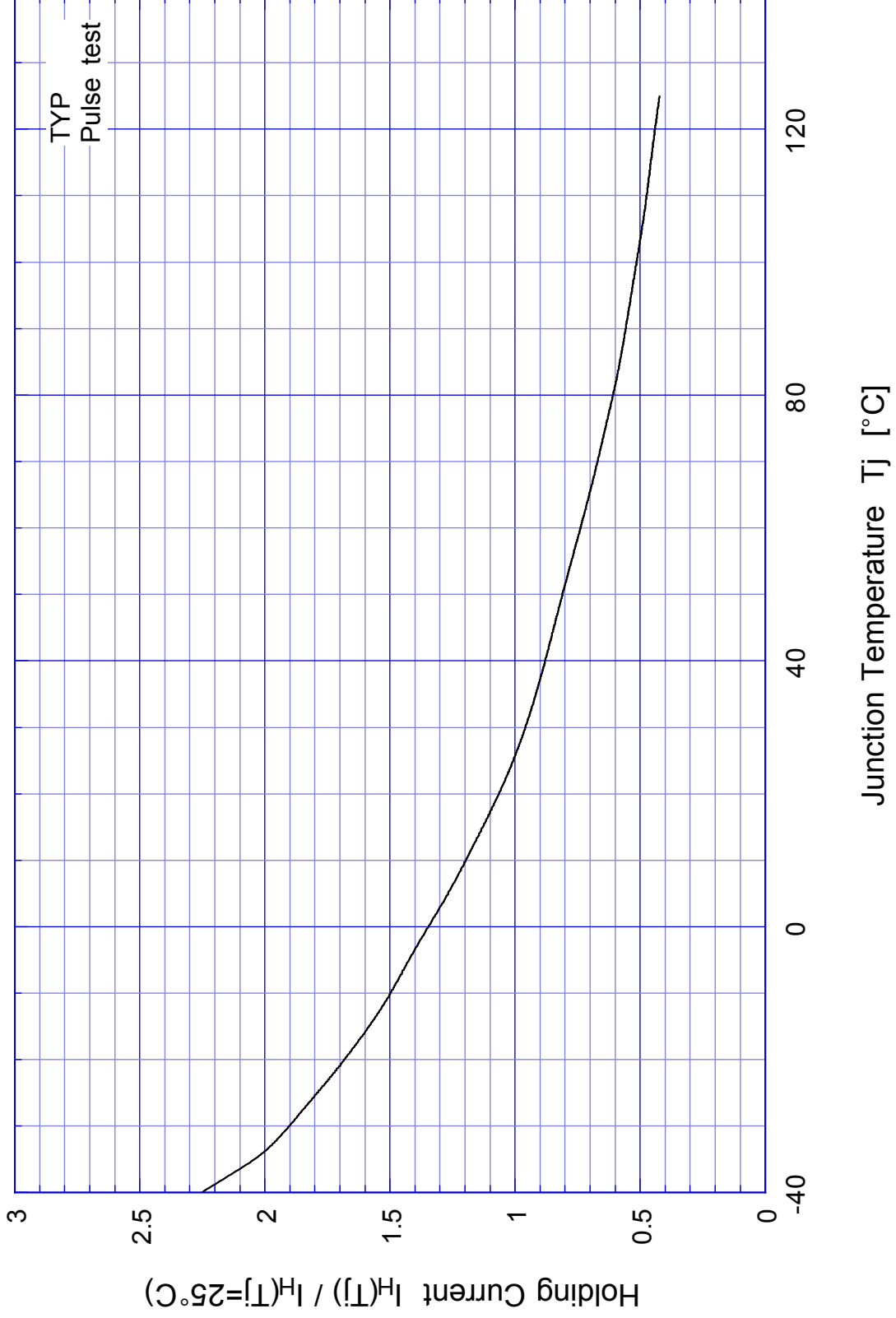
KP10L07 On-State Voltage - On-State Current



KP10L07 Breakover Voltage - Junction Temperature

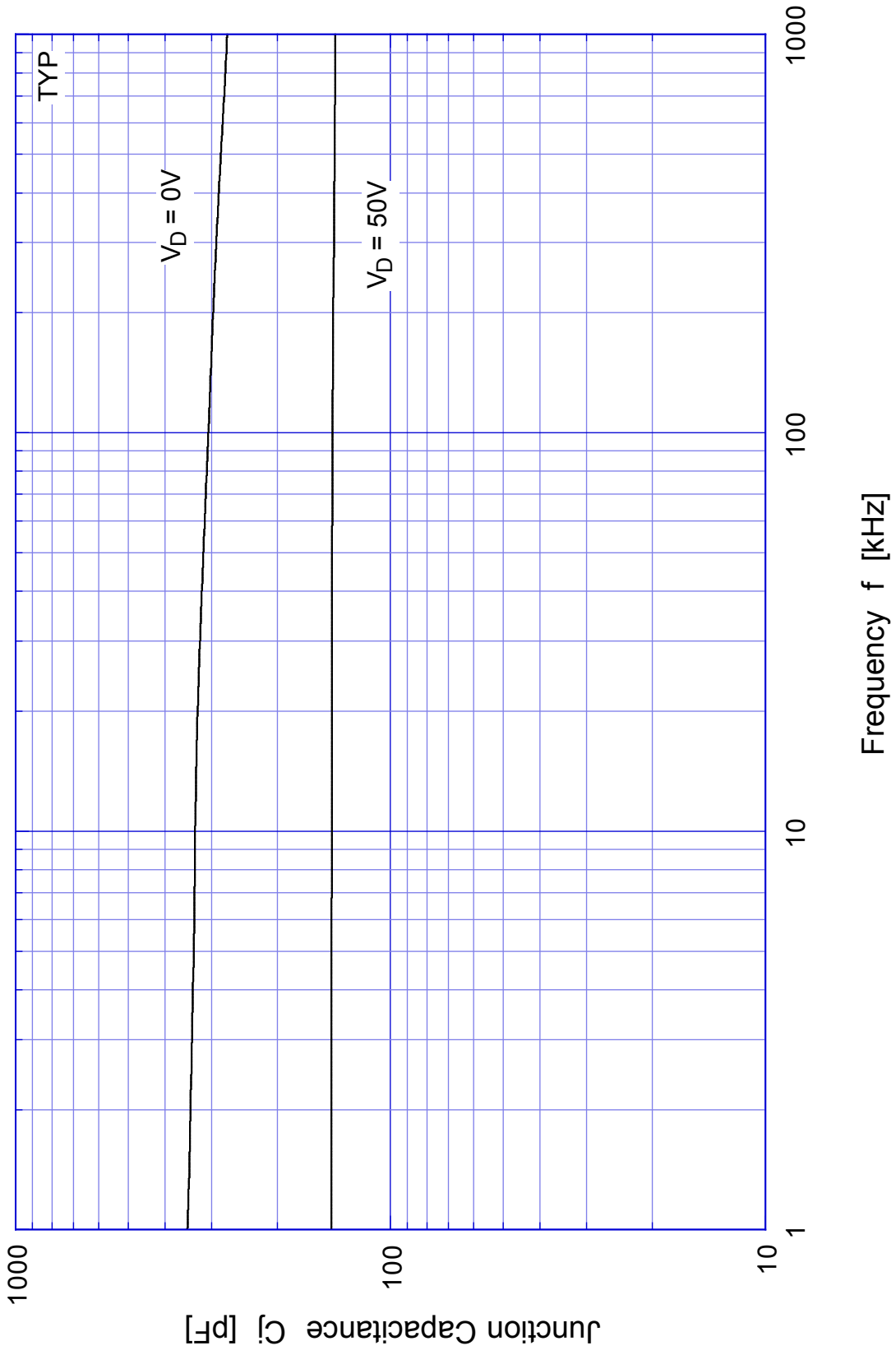


KP10L07 Holding Current - Junction Temperature

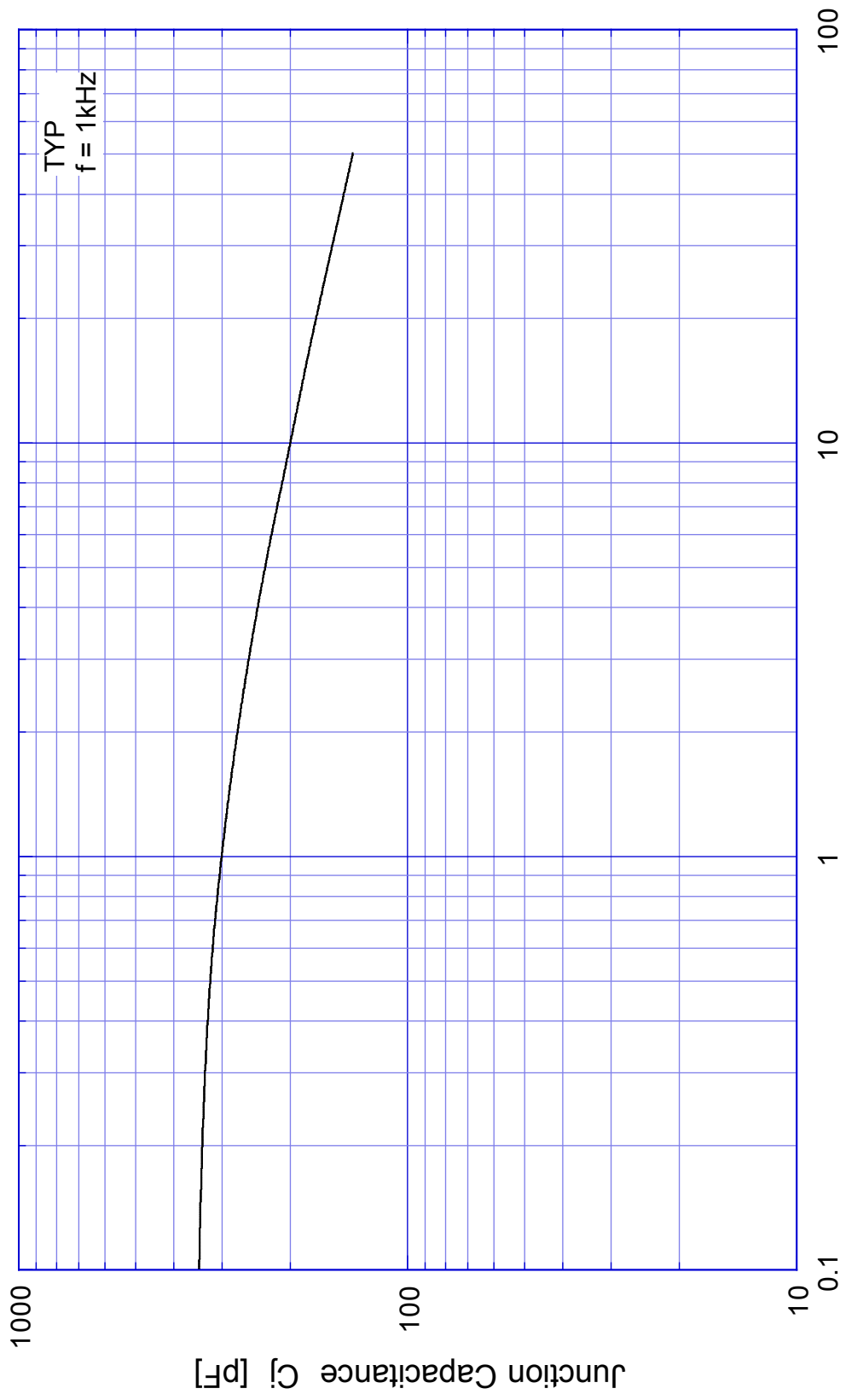


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Junction Capacitance



KP10L07 Junction Capacitance



Off-State Applied Voltage V_D [V]