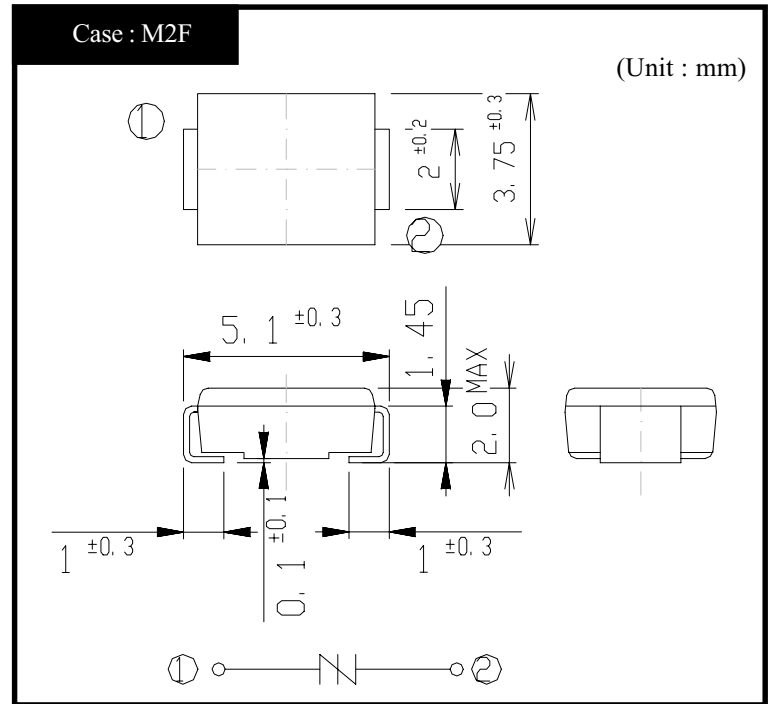


KU10L08

OUTLINE DIMENSIONS



RATINGS

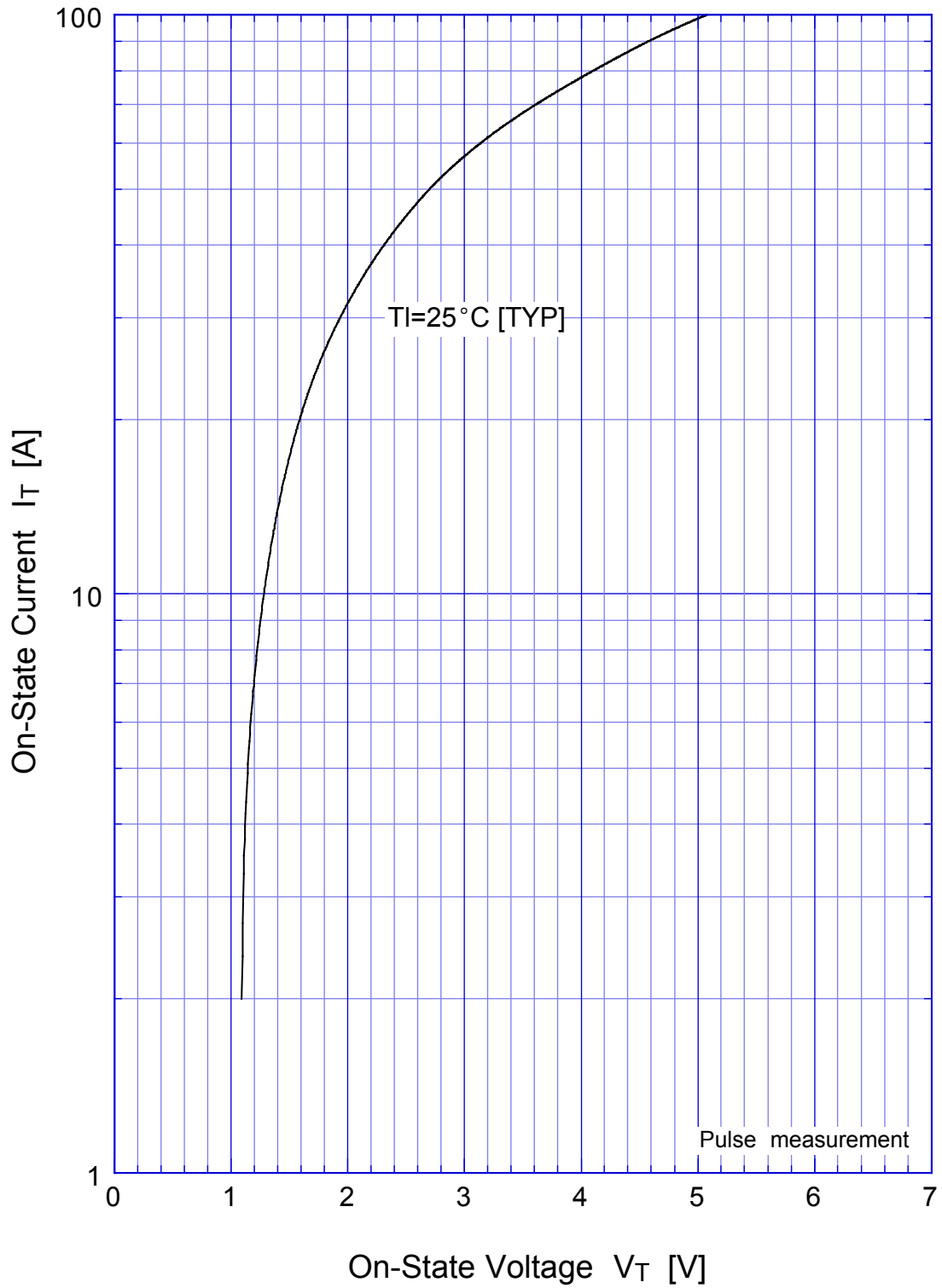
Absolute Maximum Ratings

| Item | Symbol | Conditions | Ratings | Unit |
|---------------------------|------------------|---|------------|------|
| Storage Temperature | Tstg | | -40 to 125 | °C |
| Junction Temperature | Tj | | 125 | °C |
| Operating Temperature | Top | | -40 to 70 | °C |
| Maximum Off-State Voltage | V _{DRM} | | 63 | V |
| Surge On-State Current | I _{TSM} | Pulse-waveform 10/1000 μs, Non-repetitive | 100 | A |

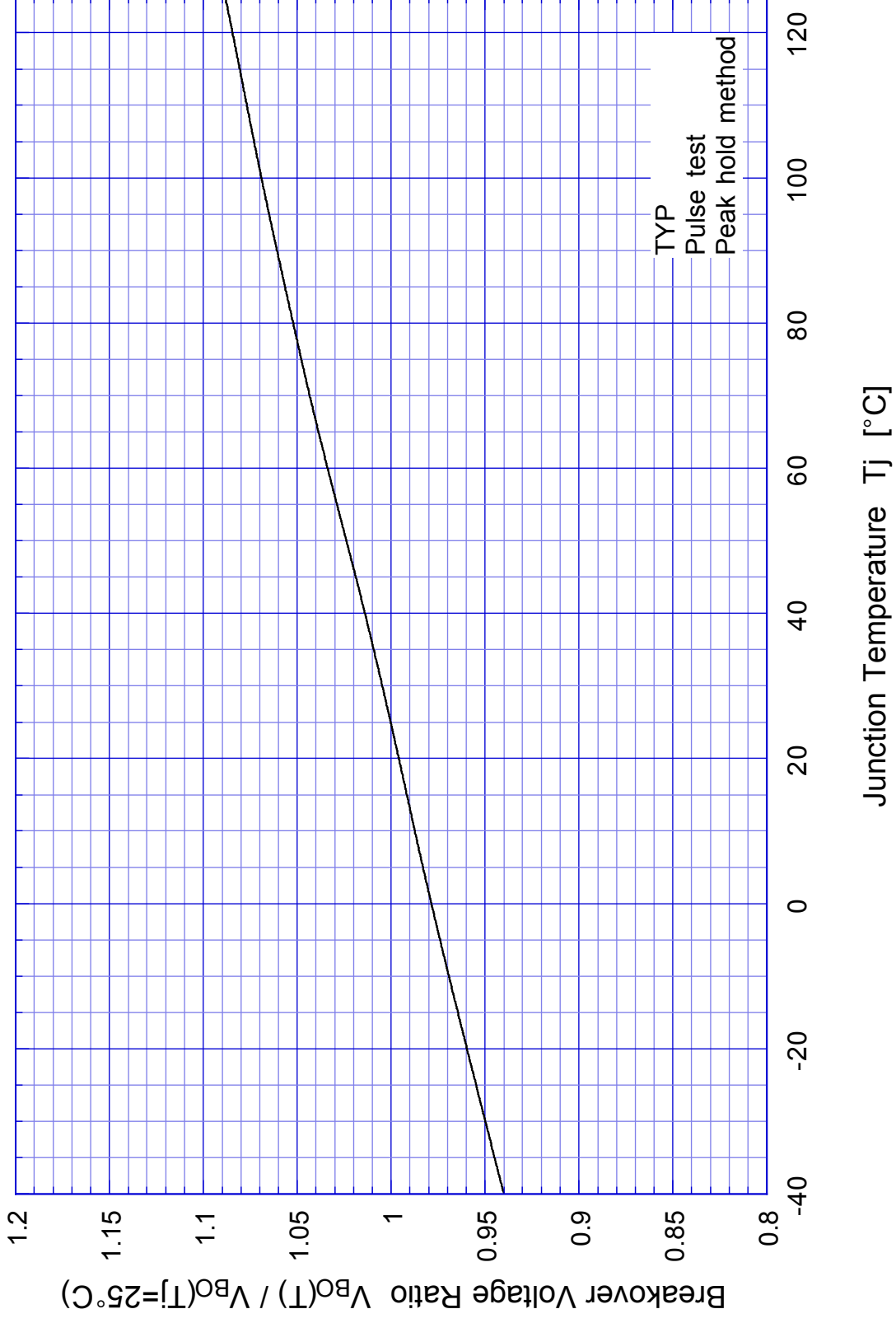
Electrical Characteristics (Tc=25°C)

| Item | Symbol | Conditions | Ratings | Unit |
|-------------------|------------------|-----------------------------------|--------------|------|
| Breakover Voltage | V _{BO} | dv/dt = 8V/ms (Peak hold) | Min 70 | V |
| Off-State Current | I _{DRM} | V _D = V _{DRM} | Max 5.0 | μA |
| Holding Current | I _H | Pulse measurement | Min 150(100) | mA |
| On-State Voltage | V _T | I _T = 2A | TYP 1.15 | V |
| Capacitance | Cj | f = 1MHz, OSC = 1Vrms, DC = 50V | Max 180 | pF |
| Clamping Voltage | V _{CL} | dv/dt = 100V/μs | Max 100 | V |

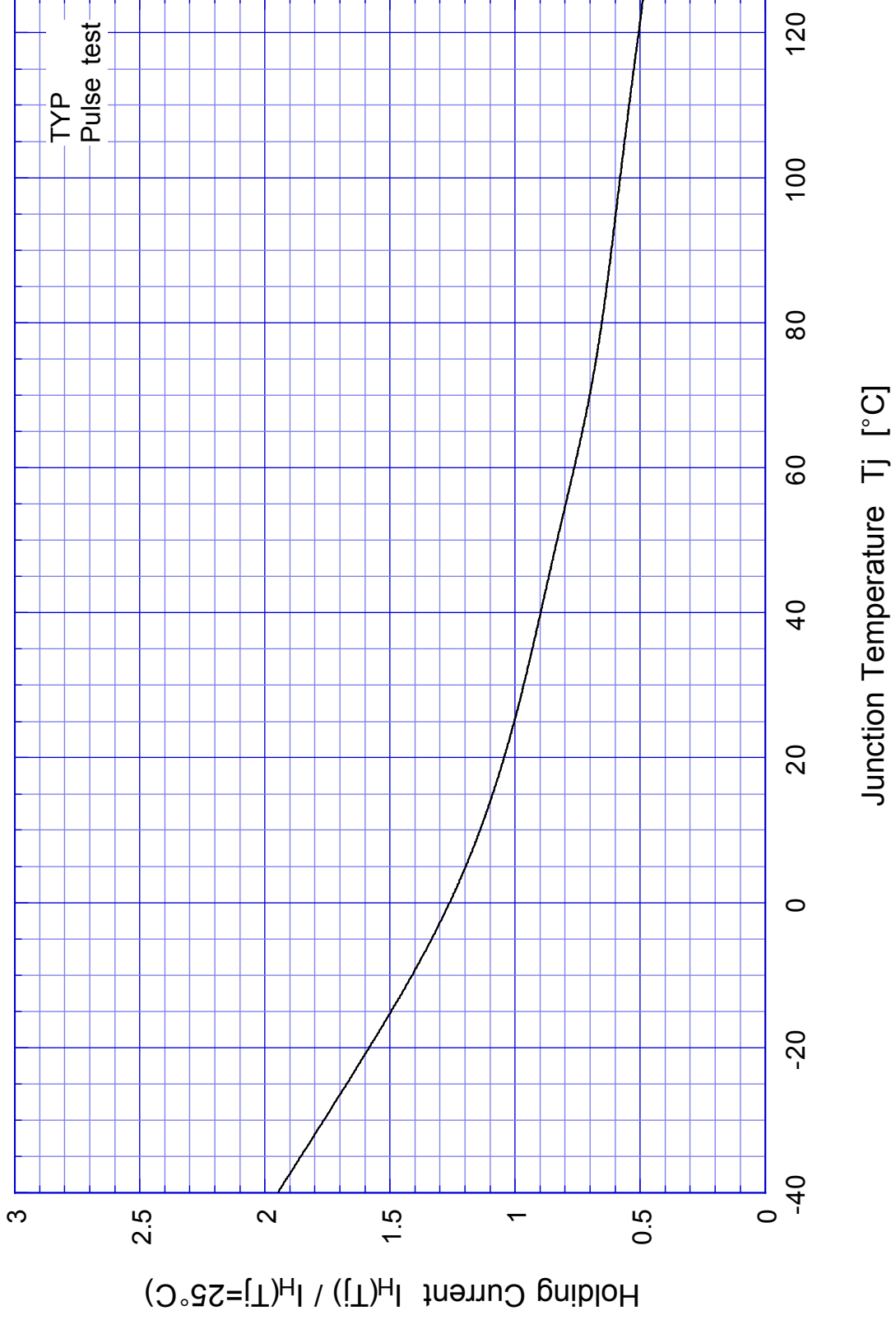
KU10L08 On-State Voltage - On-State Current



KU10L08 Breakover Voltage - Junction Temperature

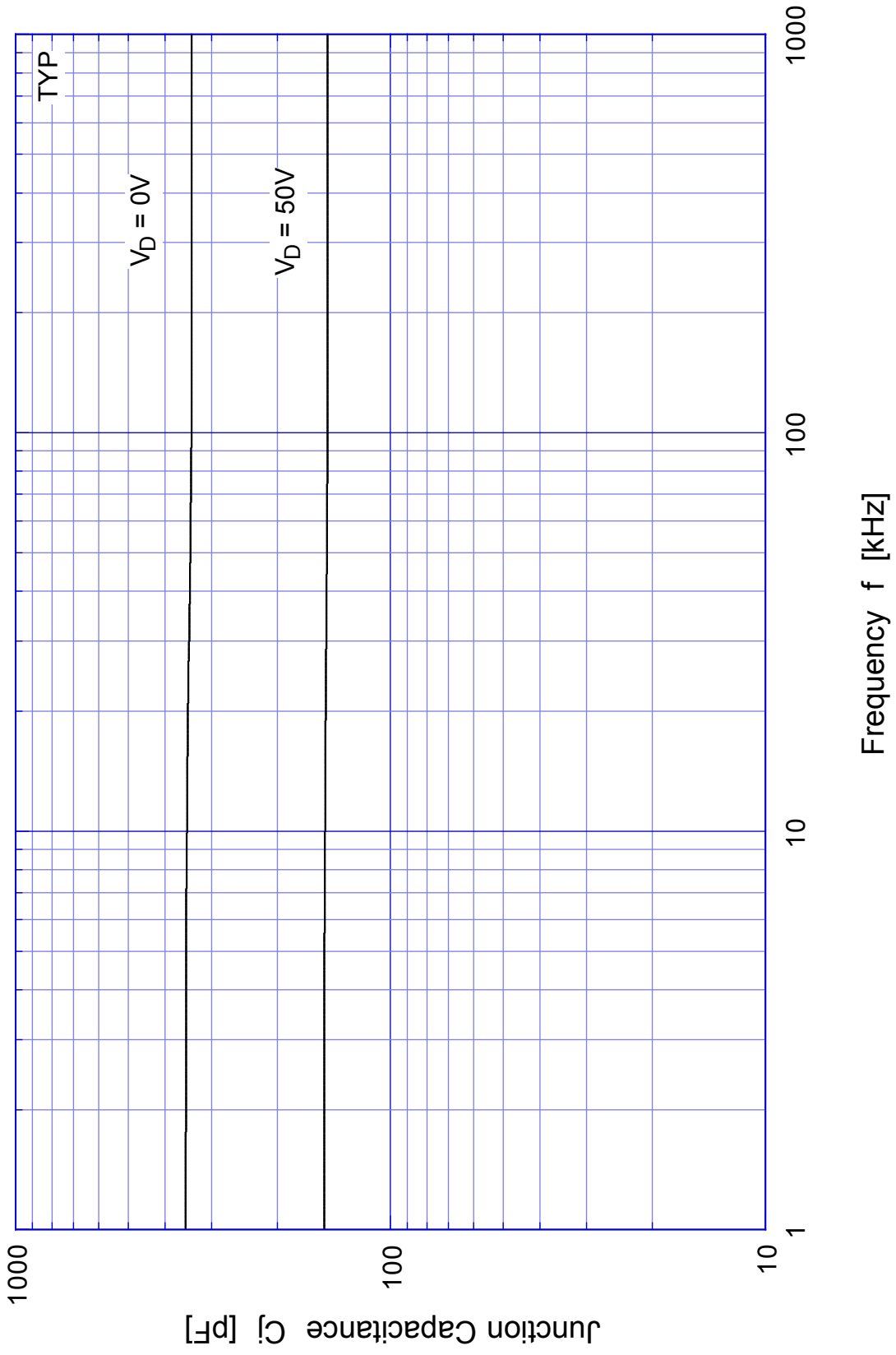


KU10L08 Holding Current - Junction Temperature



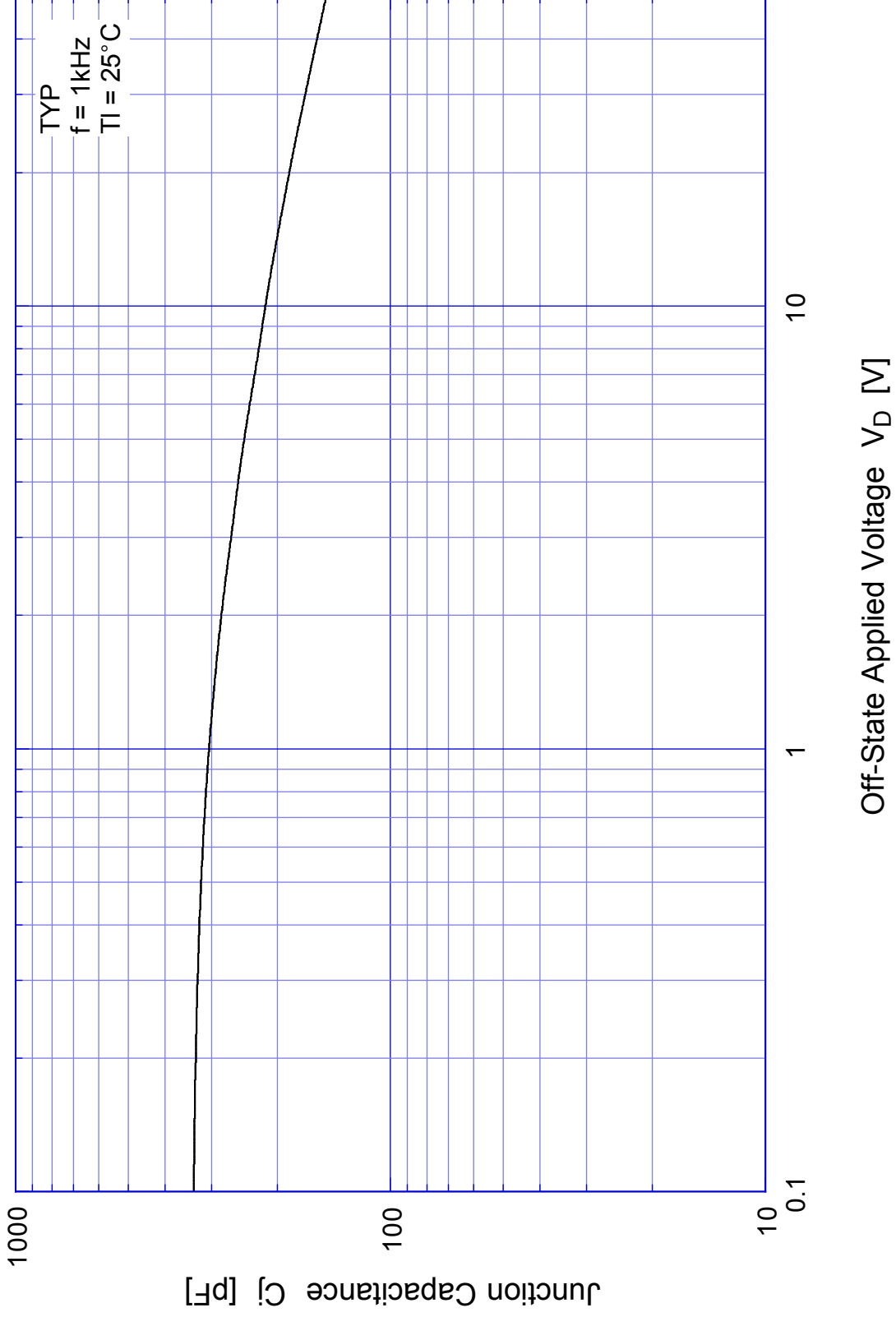
KU10L08

Junction Capacitance



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Junction Capacitance



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