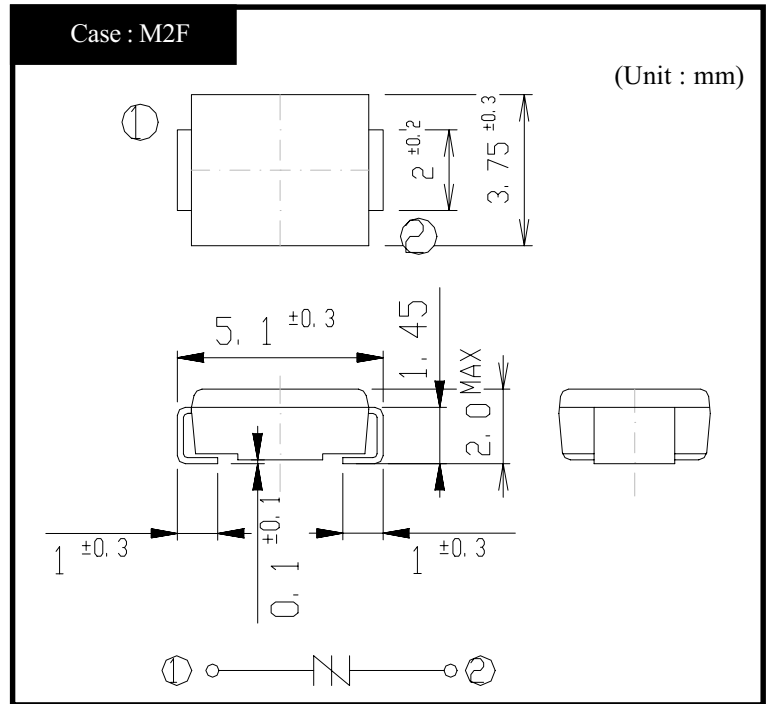


KU5N12

OUTLINE DIMENSIONS



RATINGS

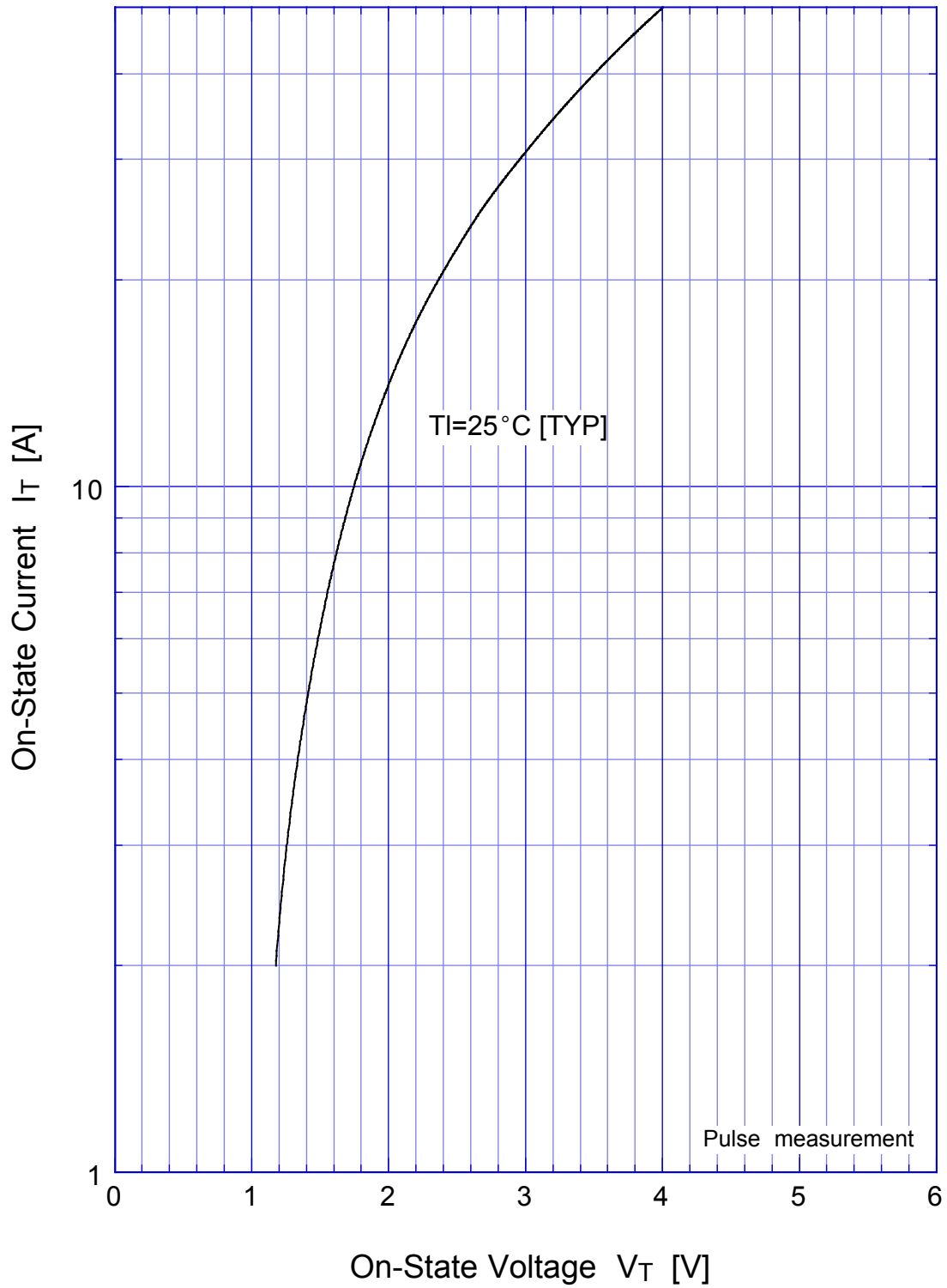
Absolute Maximum Ratings

| Item | Symbol | Conditions | Ratings | Unit |
|---------------------------|------------------|--|------------|------|
| Storage Temperature | T _{stg} | | -40 to 125 | °C |
| Junction Temperature | T _j | | 125 | °C |
| Operating Temperature | T _{op} | | -40 to 70 | °C |
| Maximum Off-State Voltage | V _{DRM} | | 100 | V |
| Surge On-State Current | I _{TSM} | Pulse-waveform 10/1000 μ s, Non-repetitive | 50 | A |

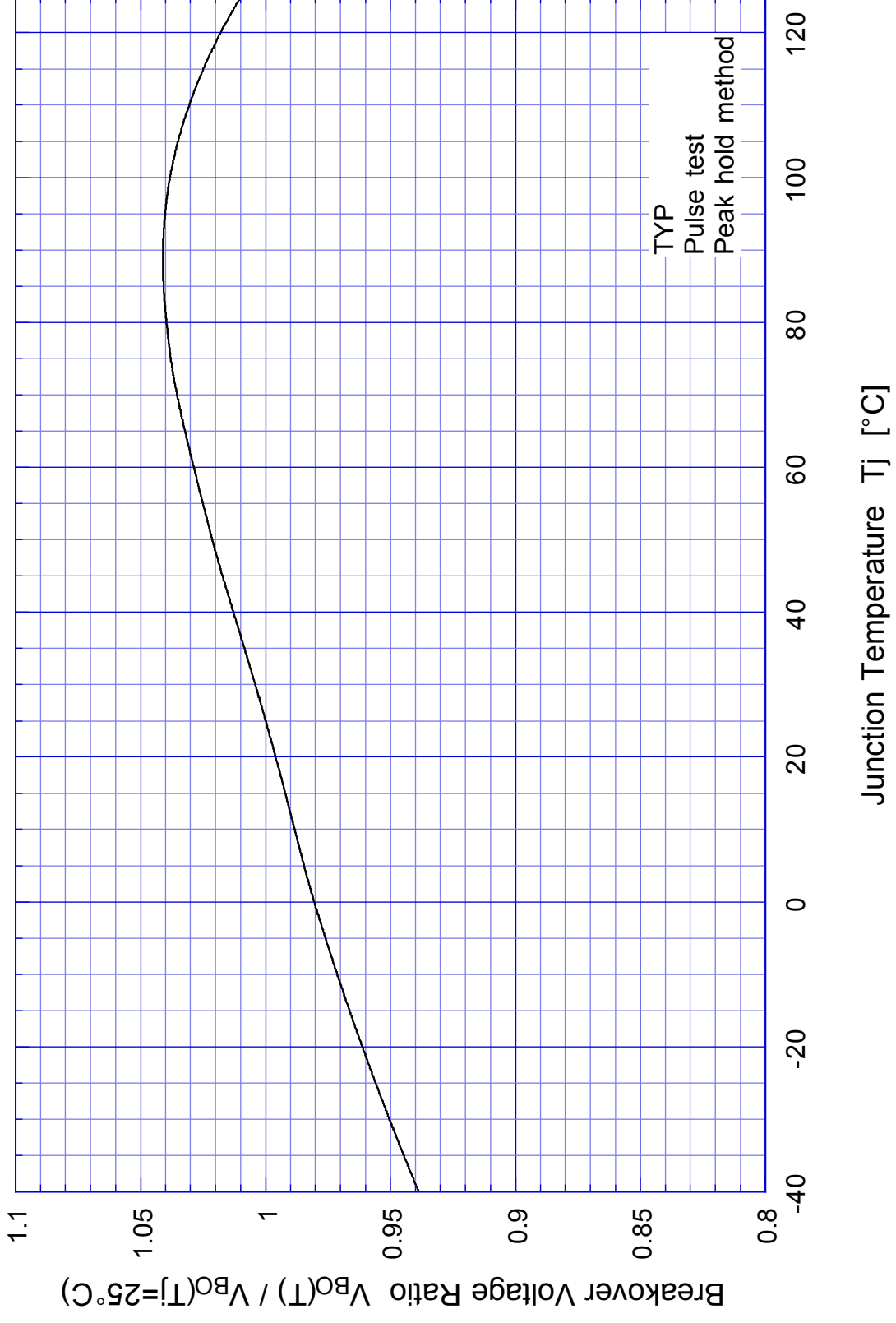
Electrical Characteristics (T_c=25°C)

| Item | Symbol | Conditions | Ratings | Unit |
|-------------------|------------------|--|--------------|------|
| Breakover Voltage | V _{BO} | dv/dt=8V/ms (Peak hold) | Min 110 | V |
| Off-State Current | I _{DRM} | V _D = V _{DRM} | Max 5 | μ A |
| Holding Current | I _H | Pulse measurement | Min 150(100) | mA |
| On-State Voltage | V _T | I _T = 2A | TYP 1.25 | V |
| Capacitance | C _j | f = 1MHz OSC = 1V _{rms} , DC = 50V | Max 50 | pF |
| Clamping Voltage | V _{CL} | dv/dt = 100V/ μ s | Max 135 | V |

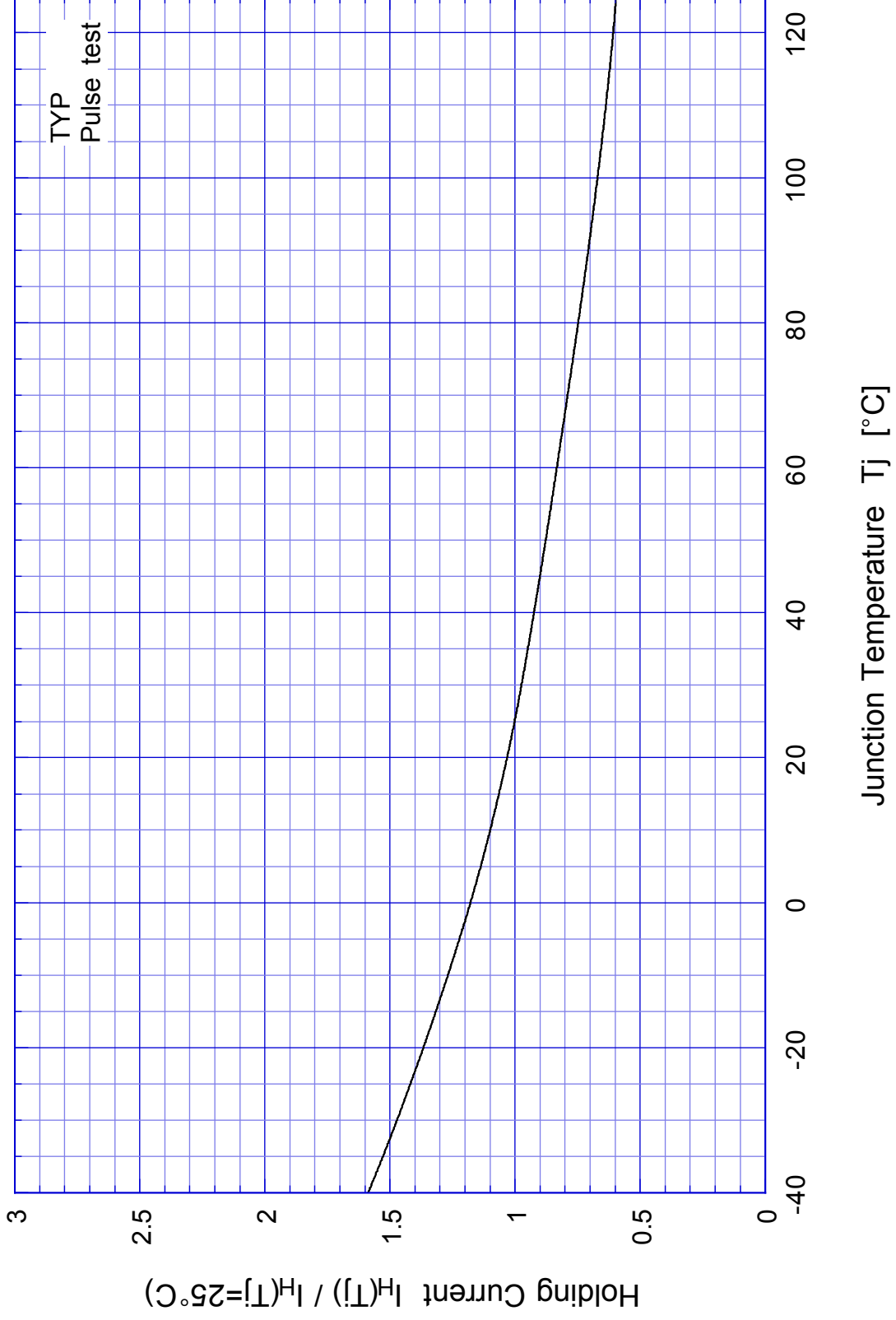
KU5N12 On-State Voltage - On-State Current



KU5N12 Breakover Voltage - Junction Temperature

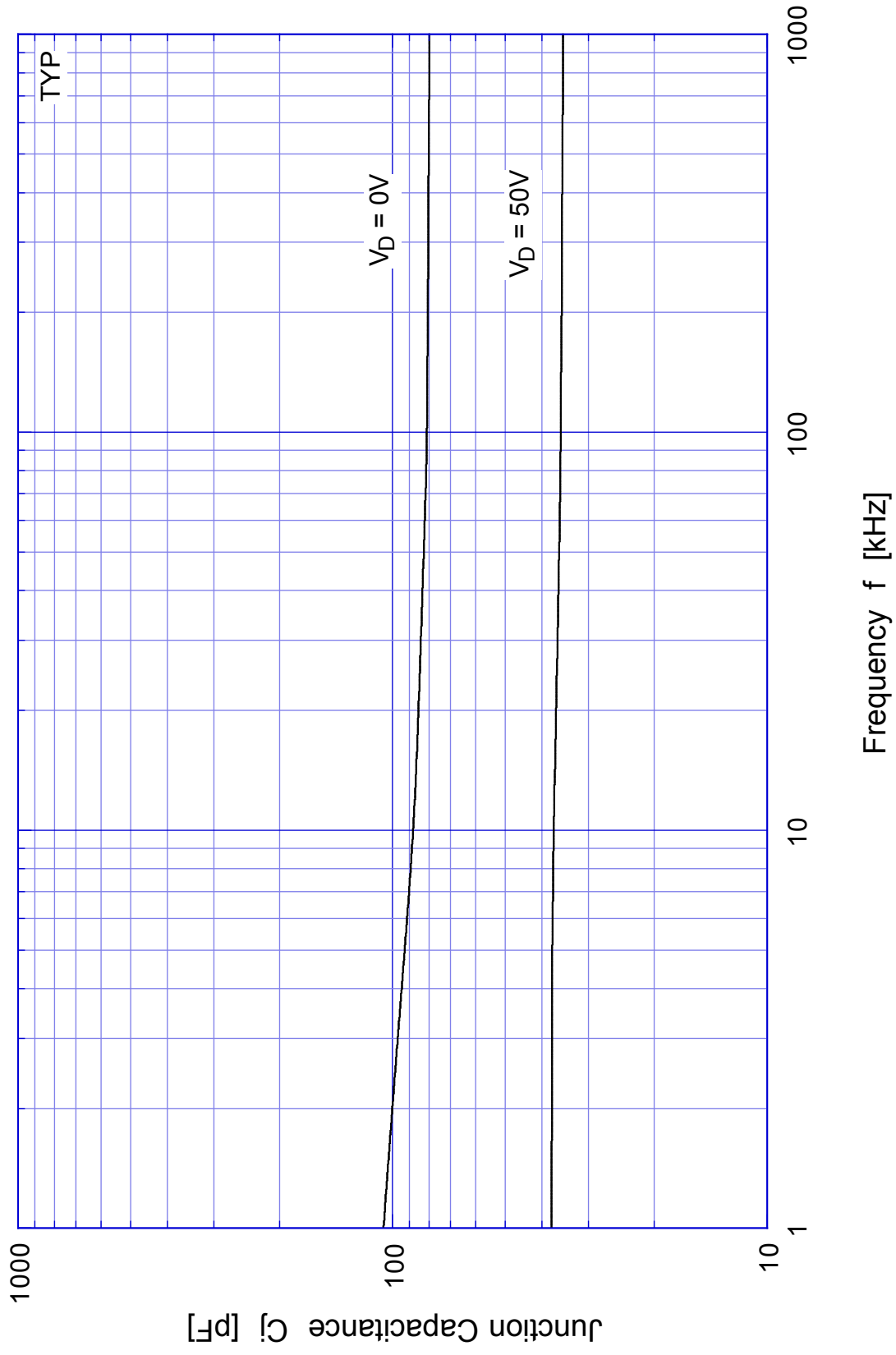


KU5N12 Holding Current - Junction Temperature



KU5N12

Junction Capacitance



KU5N12

Junction Capacitance

