

KU10R29N

OUTLINE DIMENSIONS

Case : M2F

(Unit : mm)

RATINGS

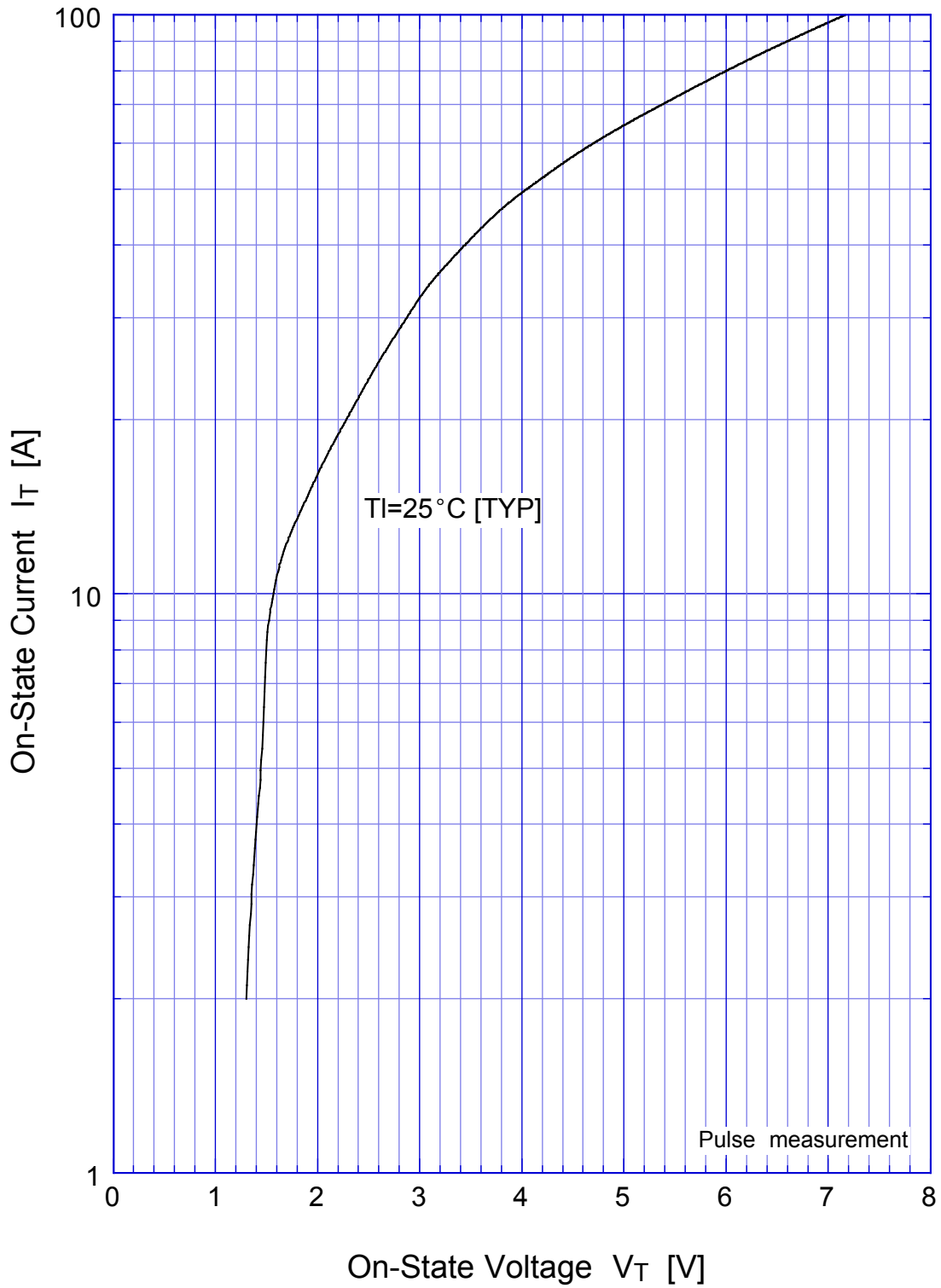
● Absolute Maximum Ratings

| Item | Symbol | Conditions | Ratings | Unit |
|---------------------------|-----------|--|---------|------|
| Storage Temperature | T_{stg} | | -40~125 | °C |
| Junction Temperature | T_j | | 125 | °C |
| Operating Temperature | T_{op} | | -40~70 | °C |
| Maximum Off-State Voltage | V_{DRM} | | 250 | V |
| Surge On-State Current | I_{TSM} | Pulse-waveform 10/1000 μ s, Non-repetitive | 100 | A |

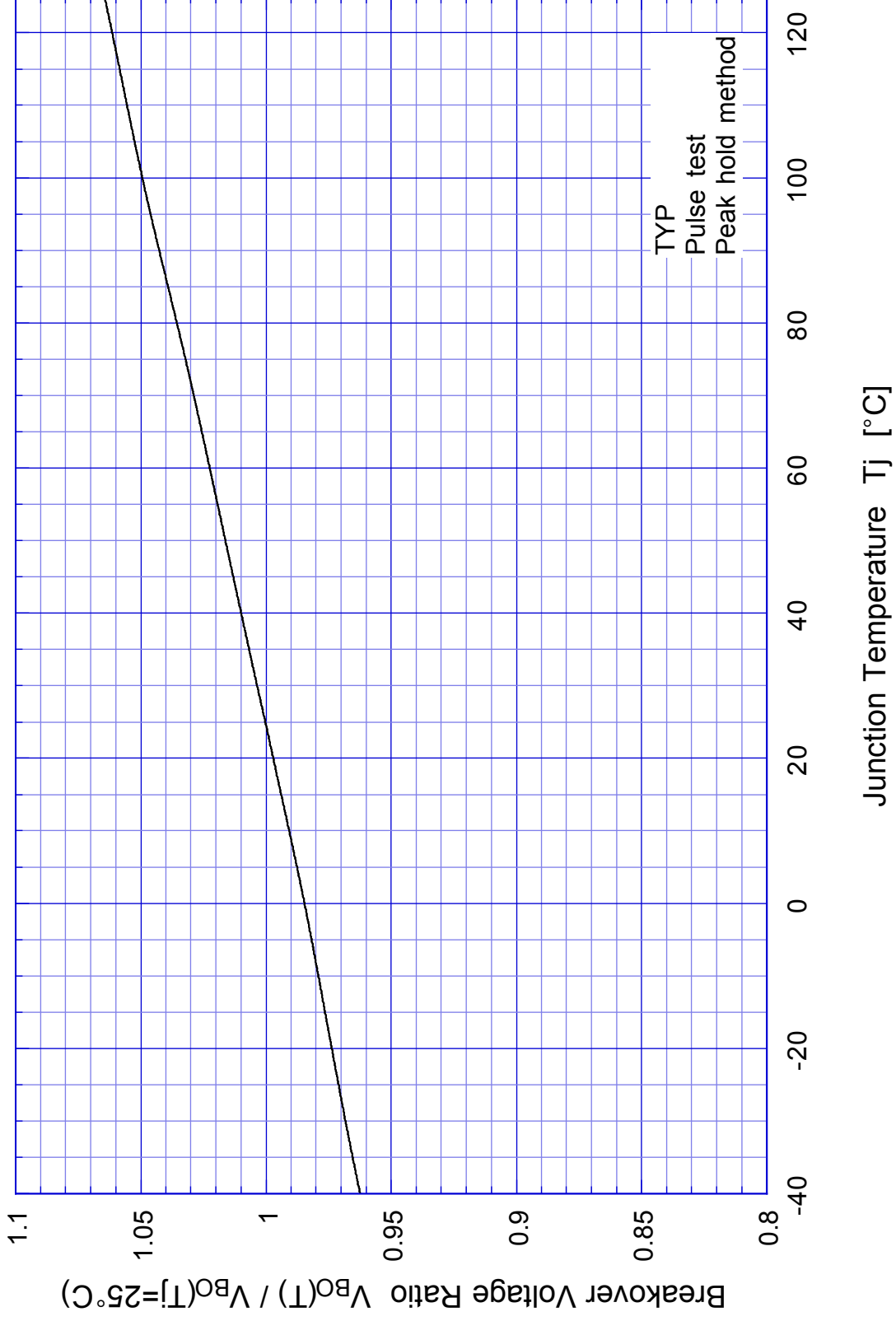
● Electrical Characteristics ($T_c=25^\circ\text{C}$)

| Item | Symbol | Conditions | Ratings | Unit |
|----------------------|-----------|----------------------------------|--------------|---------|
| Breakover Voltage | V_{BO} | $dv/dt = 8V/ms$ (Peak hold) | Min 275 | V |
| Off-State Current | I_{DRM} | $V_D = V_{DRM}$ | Max 5.0 | μ A |
| Holding Current | I_H | Pulse measurement | Min 150(100) | mA |
| On-State Voltage | V_T | $I_T = 2A$ | TYP 1.60 | V |
| Junction Capacitance | C_j | $f = 1kHz$ OSC = 1V, DC = 50V | Max 90 | pF |

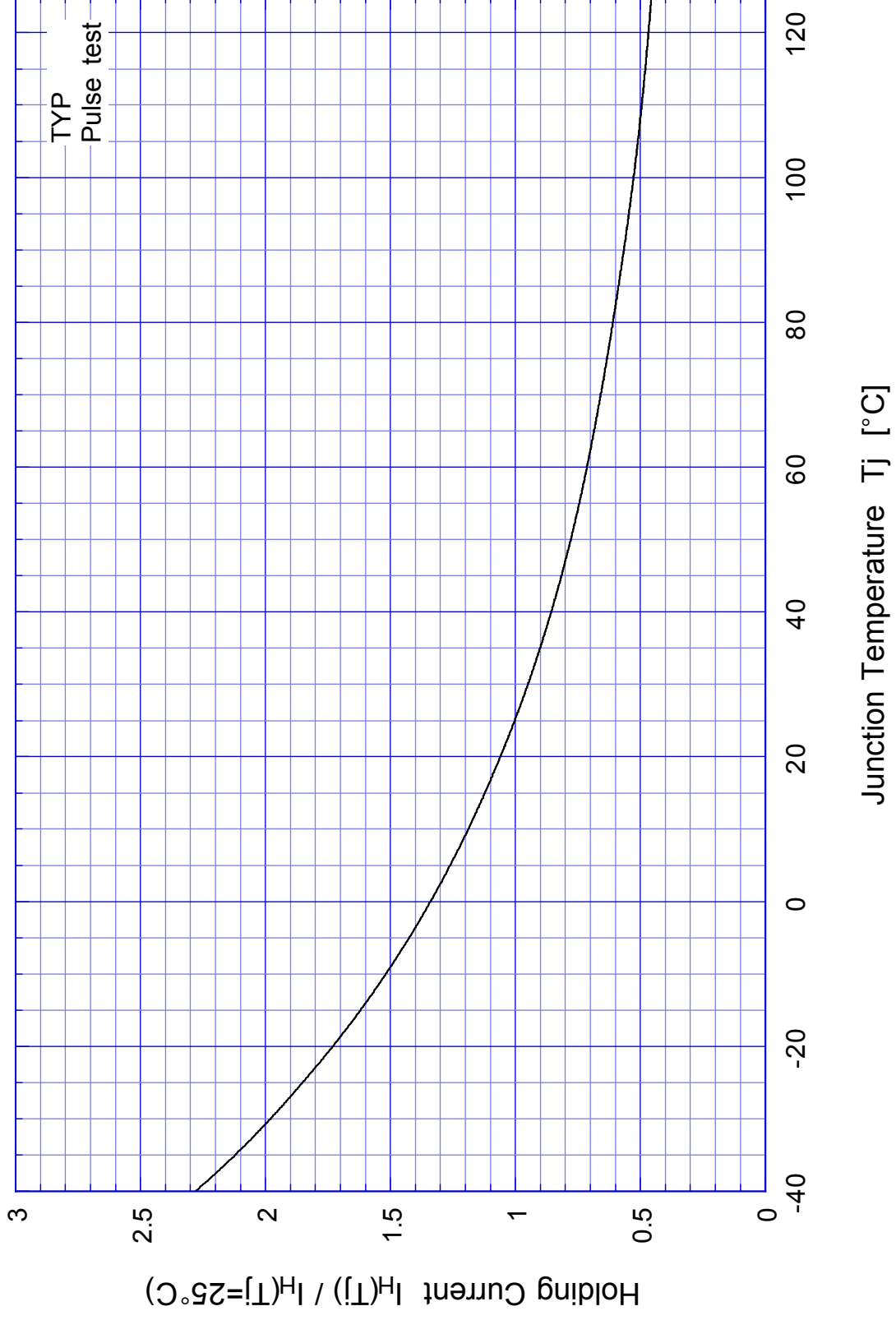
KU10R29N On-State Voltage - On-State Current



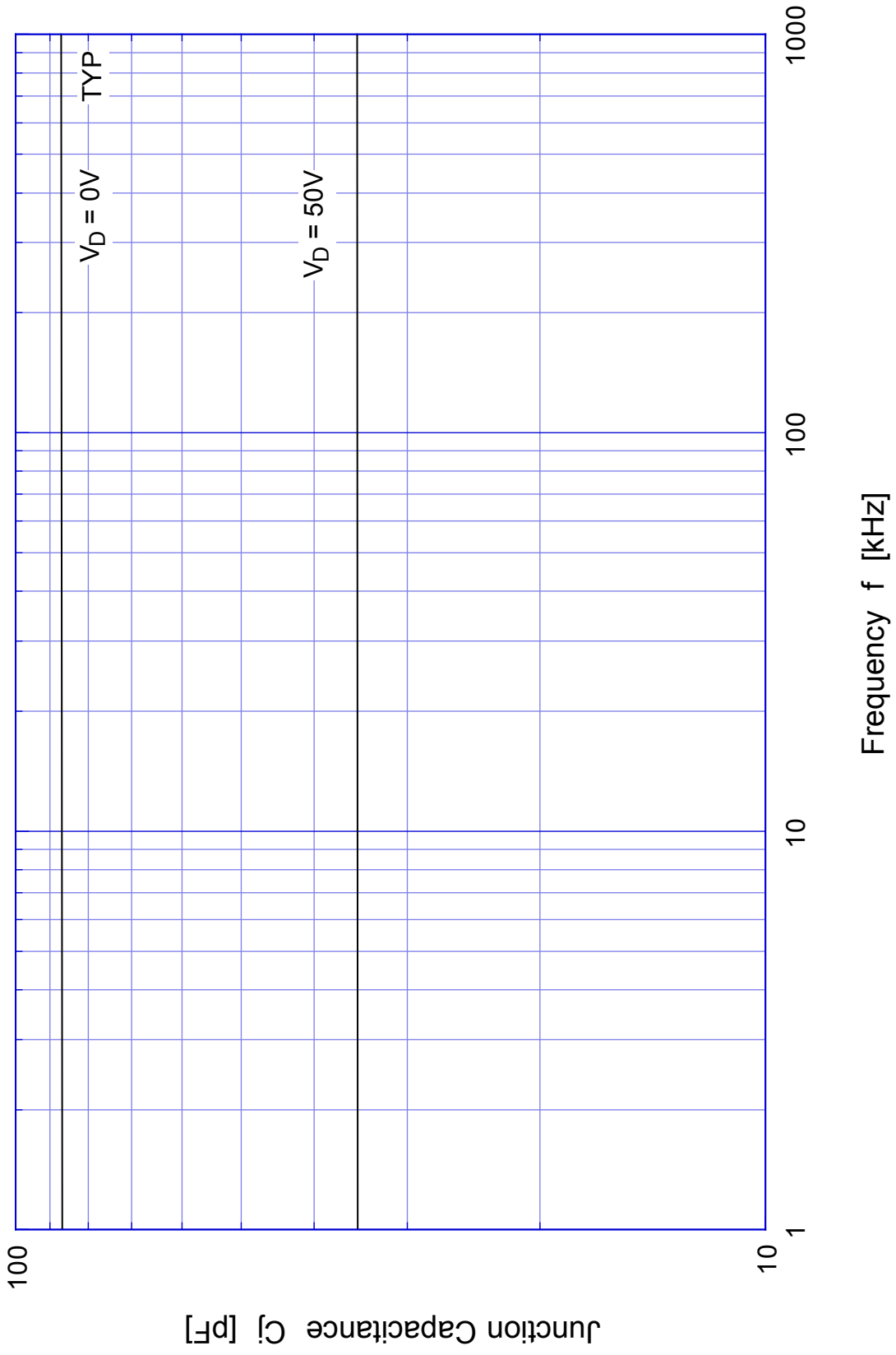
KU10R29N Breakover Voltage - Junction Temperature



KU10R29N Holding Current - Junction Temperature



KU10R29N Junction Capacitance



KU10R29N Junction Capacitance

