

SHINDENGEN

TSS KU Series

SMD

KU10R29N

OUTLINE DIMENSIONS

Case : M2F

(Unit : mm)

RATINGS

●Absolute Maximum Ratings

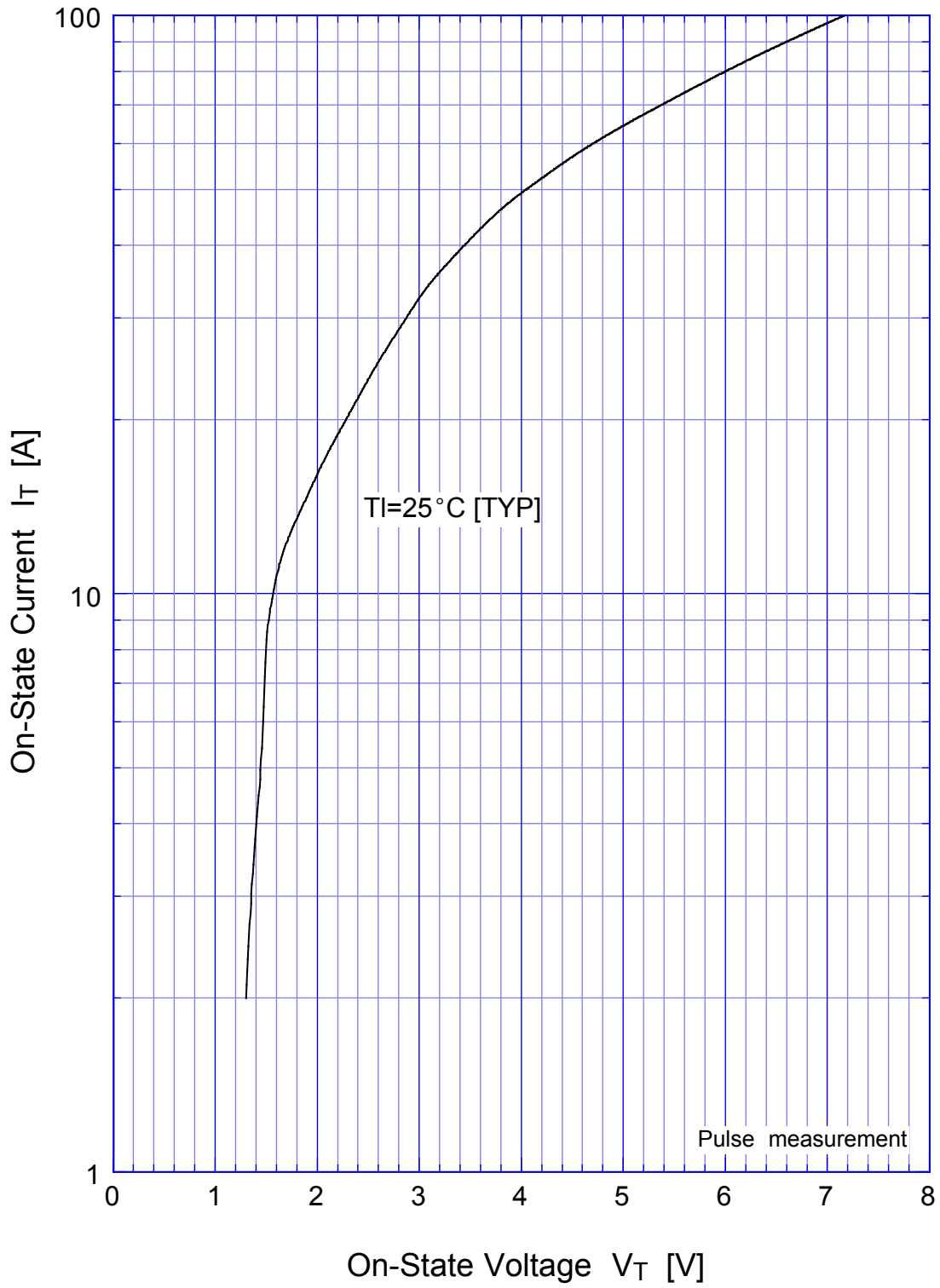
| Item | Symbol | Conditions | Ratings | Unit |
|---------------------------|------------------|---|---------|------|
| Storage Temperature | T _{stg} | | -40~125 | °C |
| Junction Temperature | T _j | | 125 | °C |
| Operating Temperature | T _{op} | | -40~70 | °C |
| Maximum Off-State Voltage | V _{DRM} | | 250 | V |
| Surge On-State Current | I _{TSM} | Pulse-waveform 10/1000 μs, Non-repetitive | 100 | A |

●Electrical Characteristics (T_c=25°C)

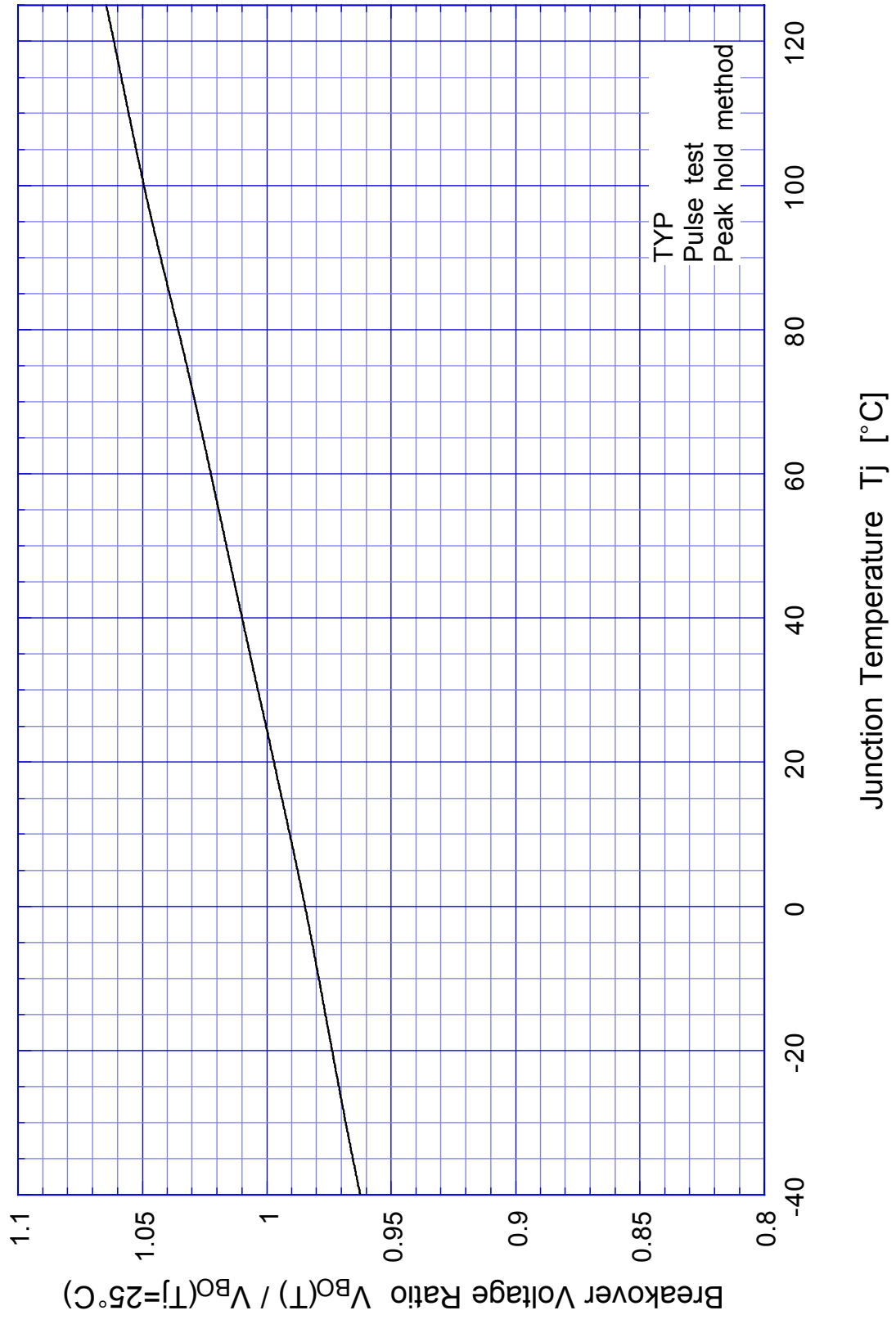
| Item | Symbol | Conditions | Ratings | Unit |
|----------------------|------------------|-----------------------------------|--------------|------|
| Breakover Voltage | V _{BO} | dv/dt = 8V/ms (Peak hold) | Min 275 | V |
| Off-State Current | I _{DRM} | V _D = V _{DRM} | Max 5.0 | μA |
| Holding Current | 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 |



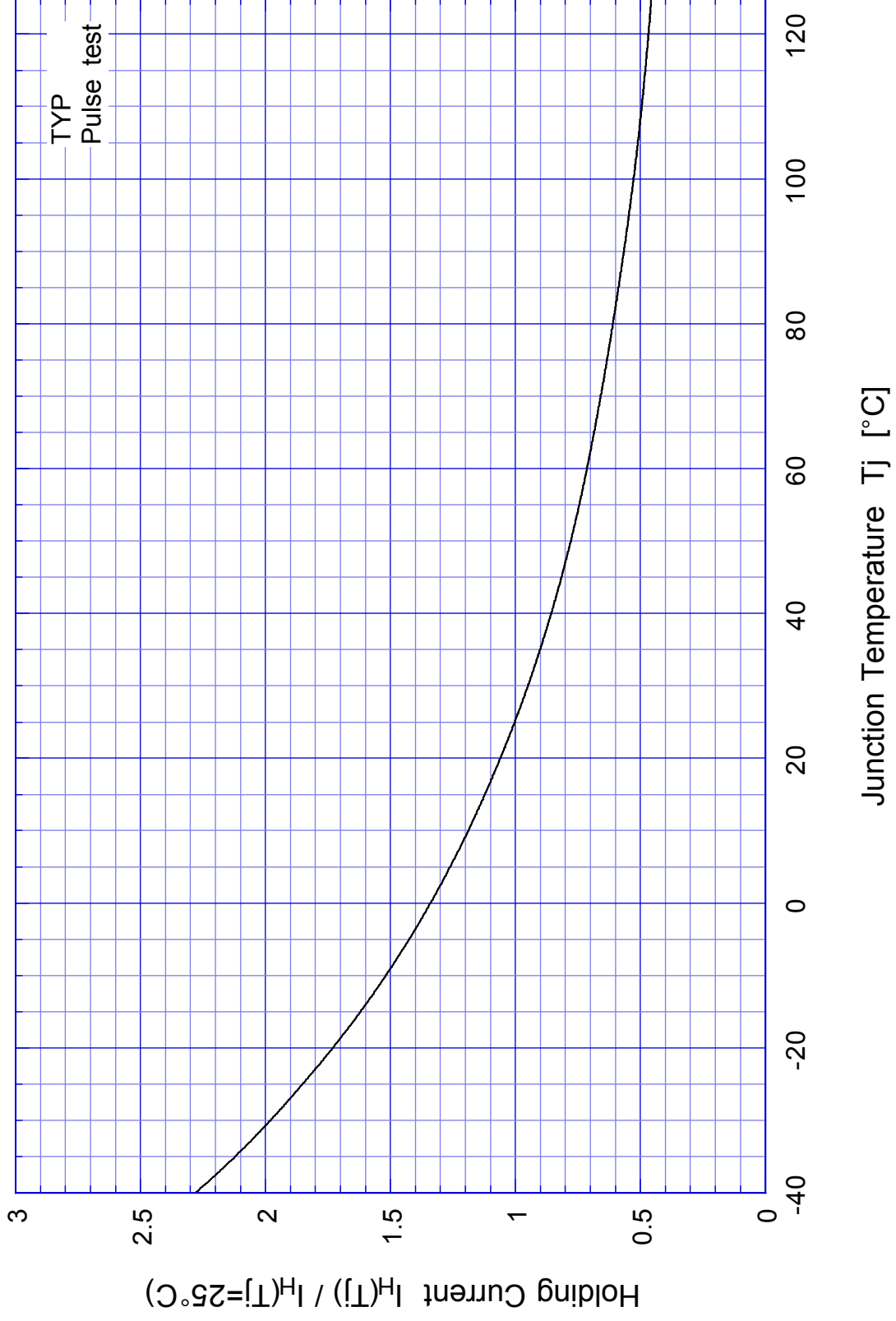
KU10R29N On-State Voltage - On-State Current



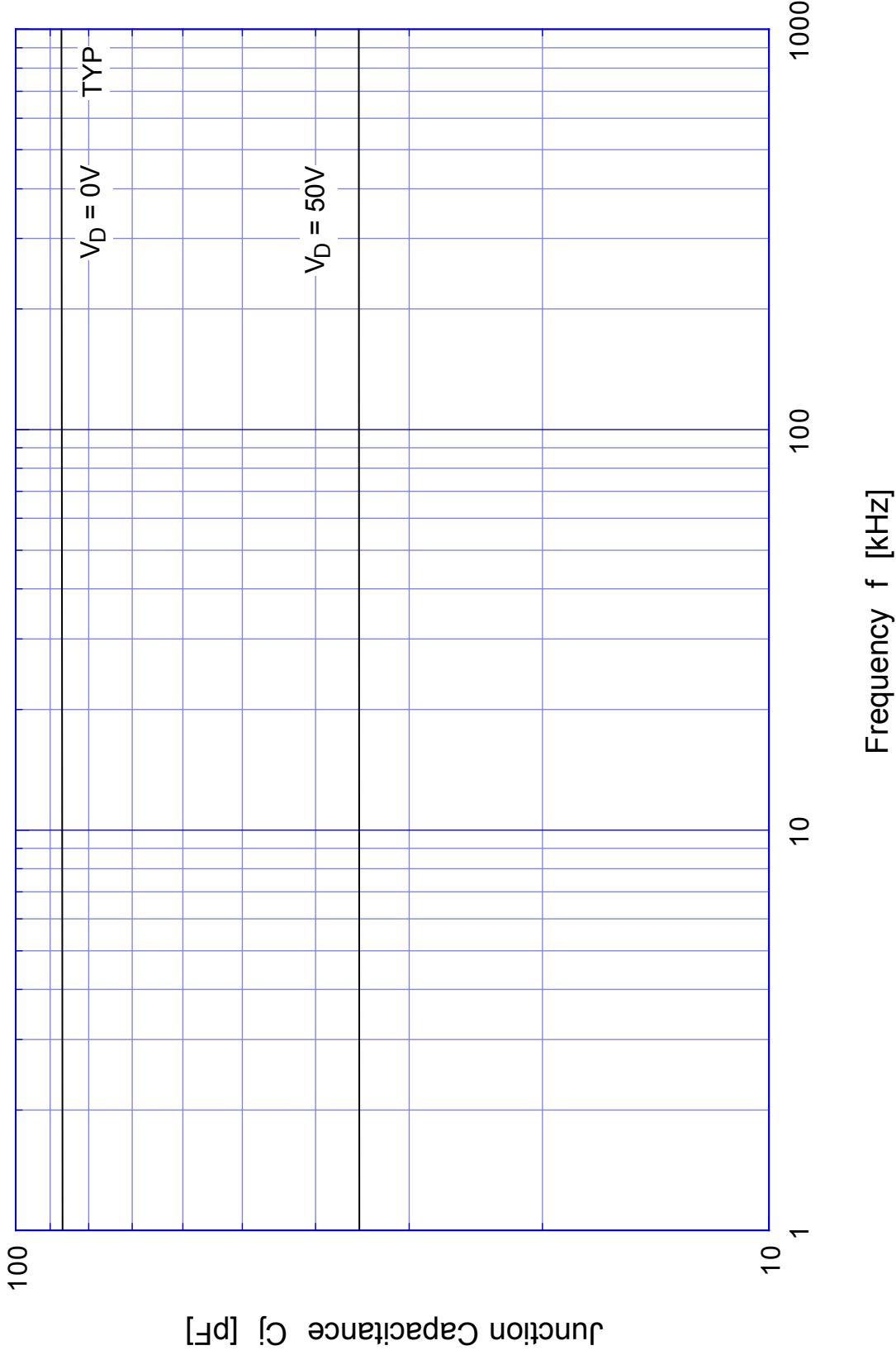
KU10R29N Breakover Voltage - Junction Temperature



KU10R29N Holding Current - Junction Temperature



KU10R29N Junction Capacitance



KU10R29N Junction Capacitance

