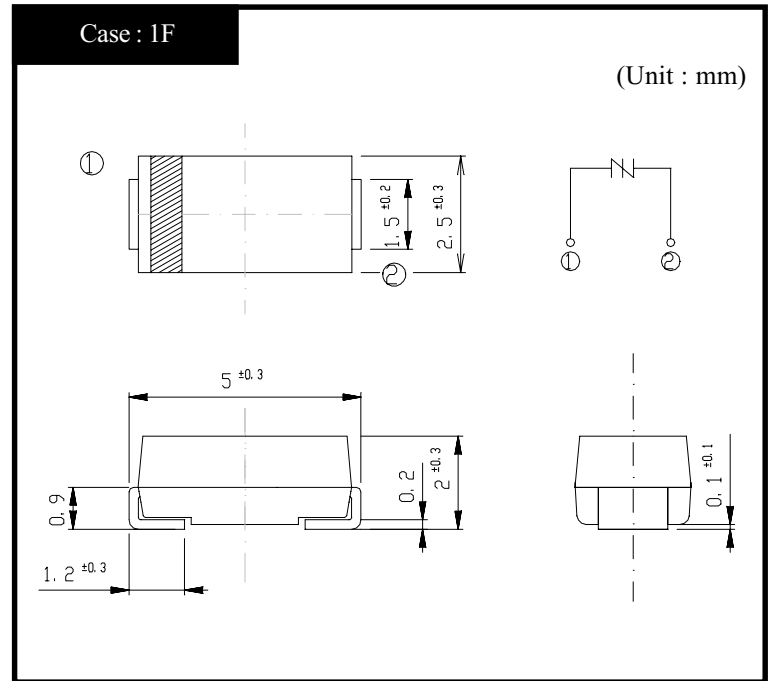


# KL3Z07

## OUTLINE DIMENSIONS



## RATINGS

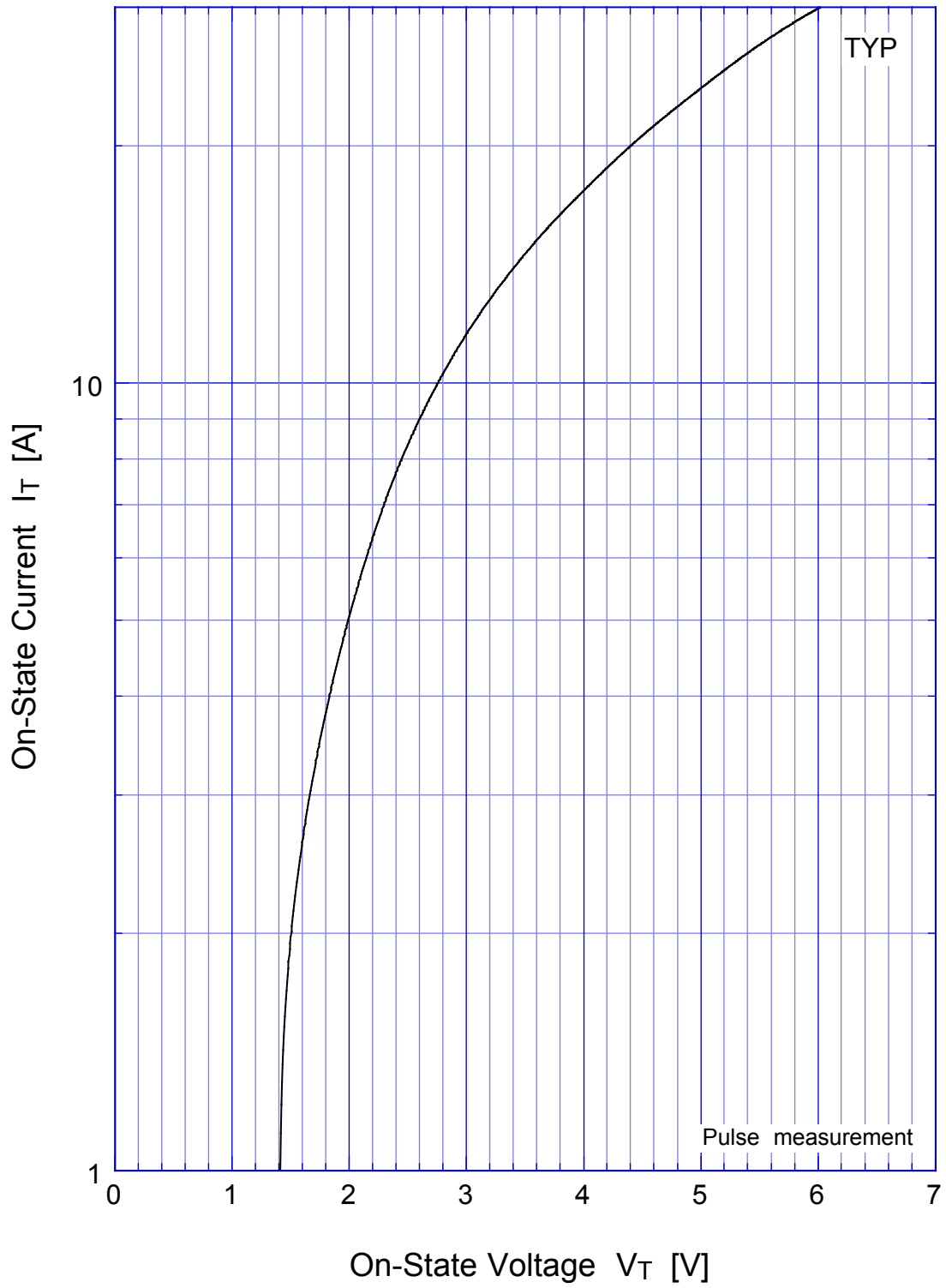
### ●Absolute Maximum Ratings

| Item                      | Symbol    | Conditions                      | Ratings | Unit |
|---------------------------|-----------|---------------------------------|---------|------|
| Storage Temperature       | $T_{stg}$ |                                 | -40~125 | °C   |
| Junction Temperature      | $T_j$     |                                 | 125     | °C   |
| Maximum Off-State Voltage | $V_{DRM}$ |                                 | 5       | V    |
| Surge On-State Current    | $I_{TSM}$ | 10/1000 $\mu$ s, Non-repetitive | 30      | A    |
|                           |           | 8/20 $\mu$ s, Non-repetitive    | 150     |      |

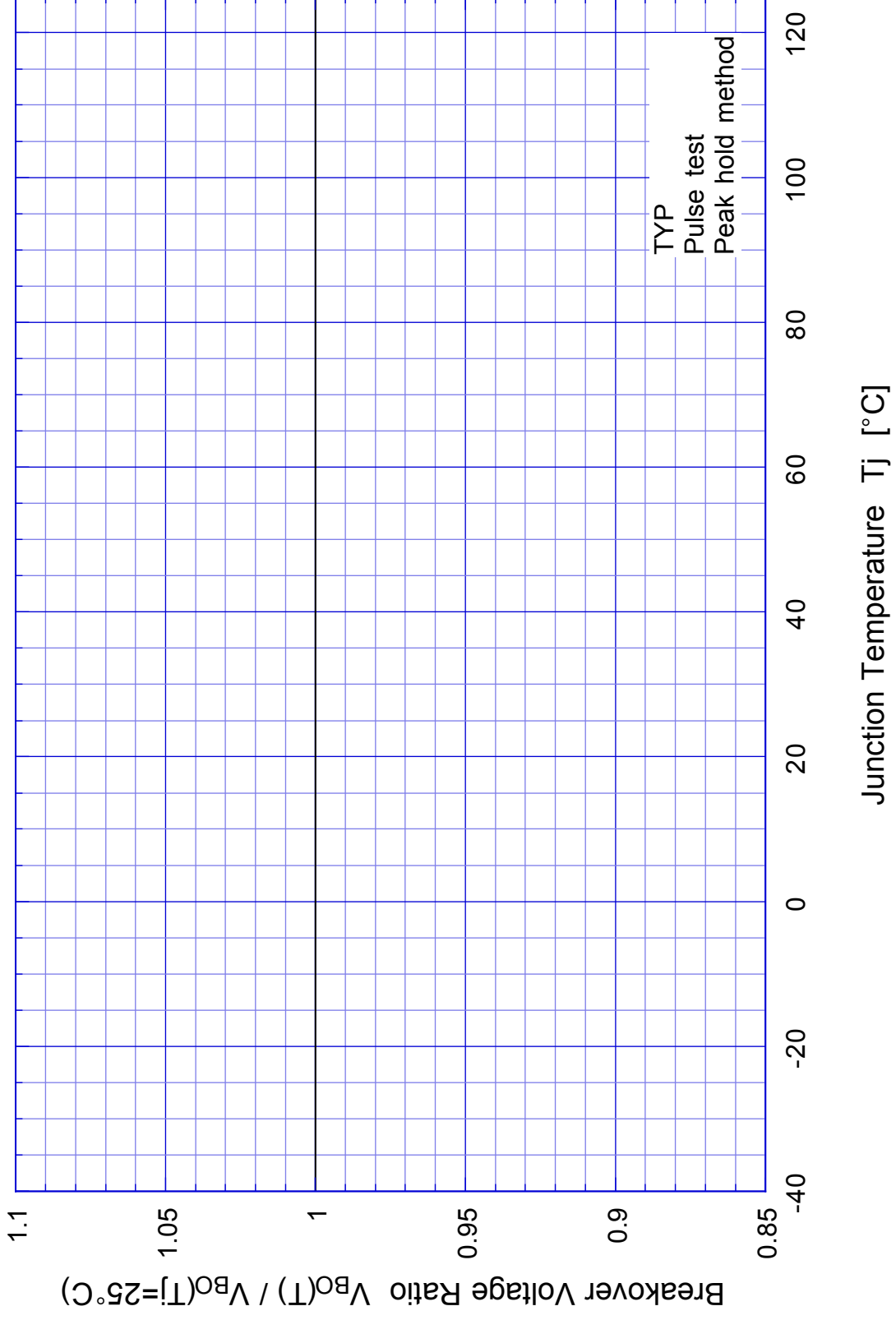
### ●Electrical Characteristics (Tl=25°C)

| Item                 | Symbol    | Conditions                         | Ratings | Unit    |
|----------------------|-----------|------------------------------------|---------|---------|
| Breakdown Voltage    | $V_{BR}$  | $I_{BR} = 1mA$                     | Min 5.5 | V       |
| Off-State Current    | $I_{DRM}$ | $V_D = V_{DRM}$                    | Max 10  | $\mu$ A |
| Holding Current      | $I_H$     | Pulse measurement                  | Min 50  | mA      |
| On-State Voltage     | $V_T$     | $I_T = 2A$                         | TYP 1.5 | V       |
| Junction Capacitance | $C_j$     | f = 1kHz<br>OSC = 20mV, $V_D = 0V$ | Max 100 | pF      |

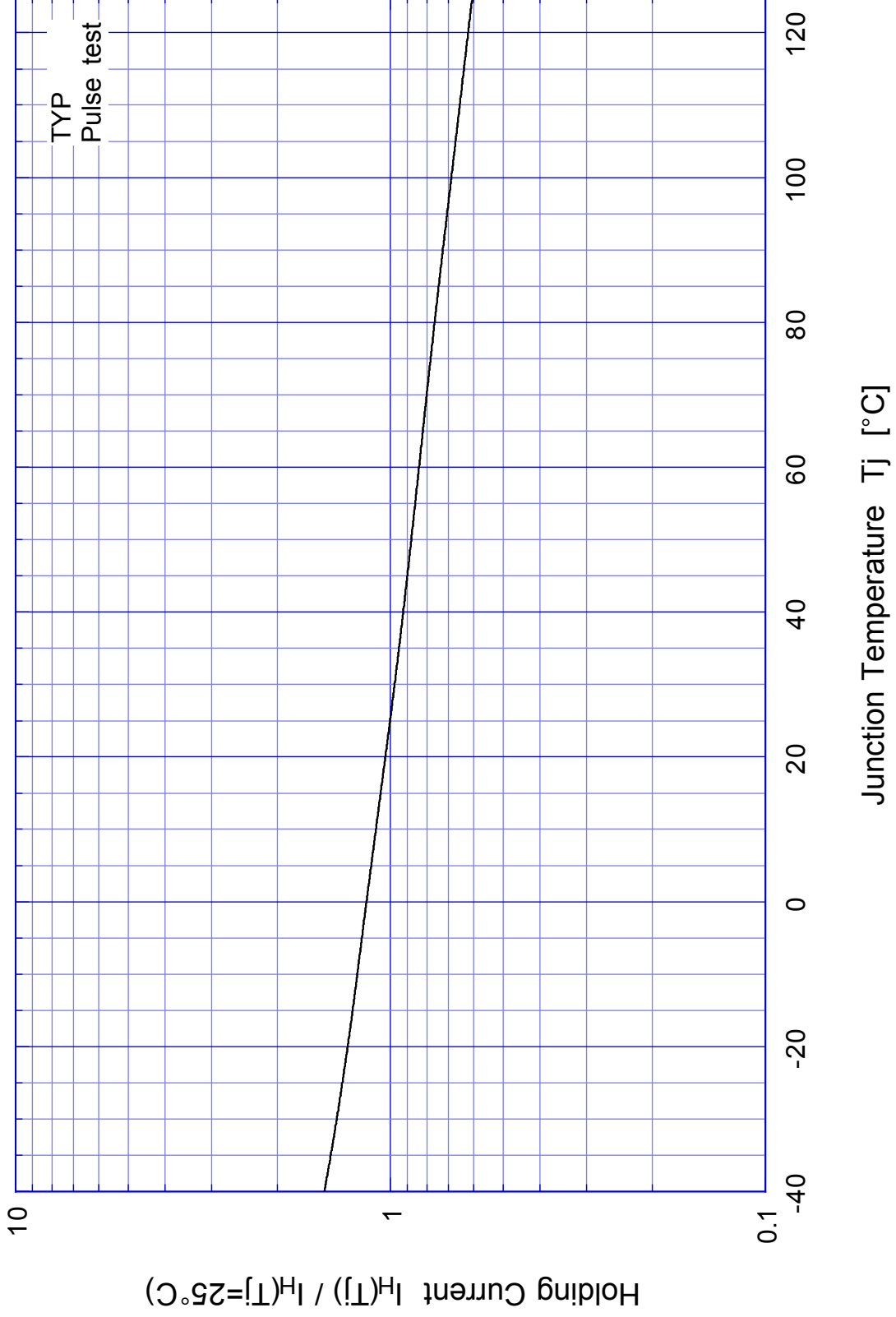
KL3Z07 On-State Voltage - On-State Current



# KL3Z07 Breakover Voltage - Junction Temperature

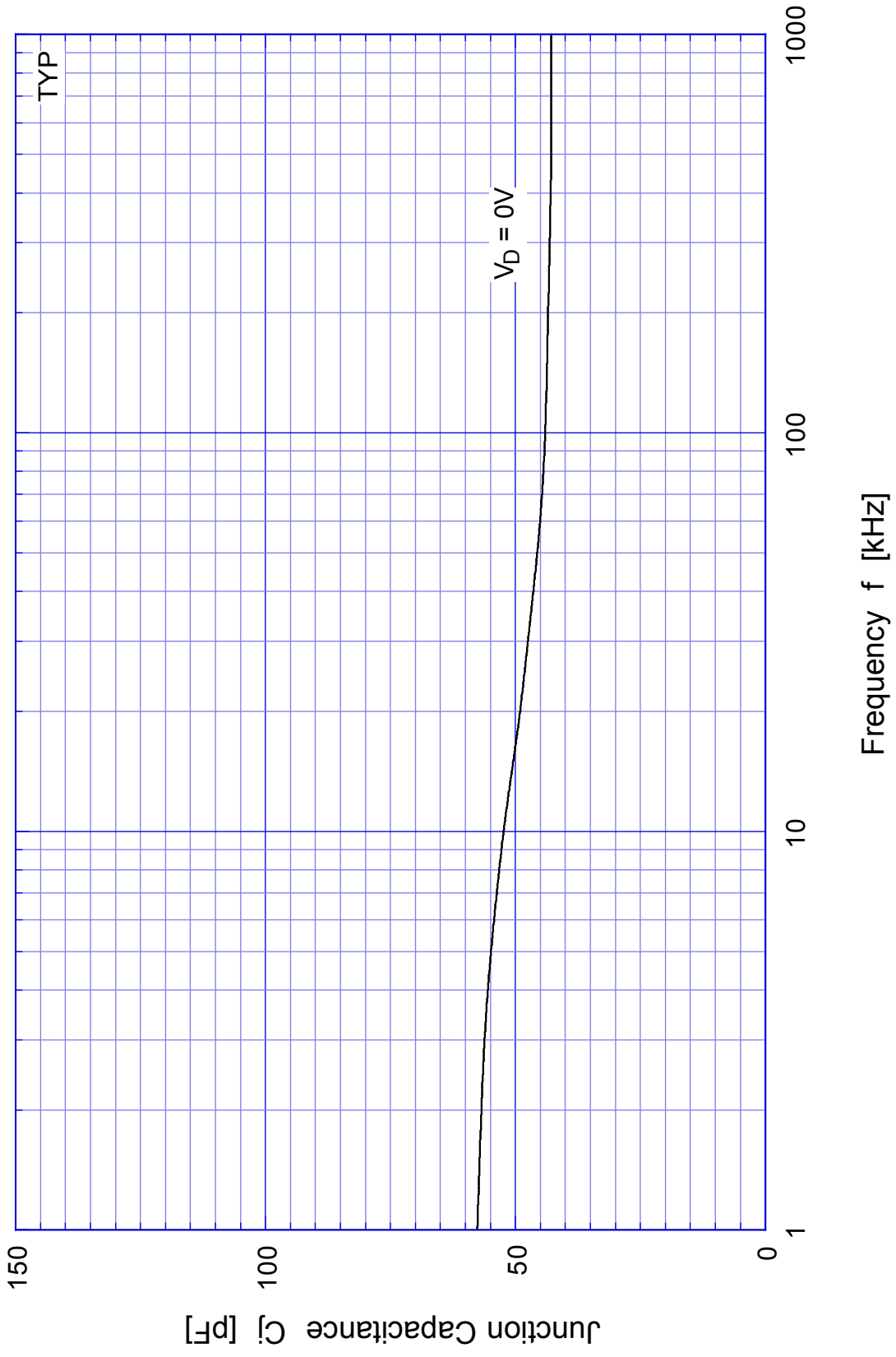


# KL3Z07 Holding Current - Junction Temperature



KL3Z07

Junction Capacitance



# KL3Z07

## Junction Capacitance

