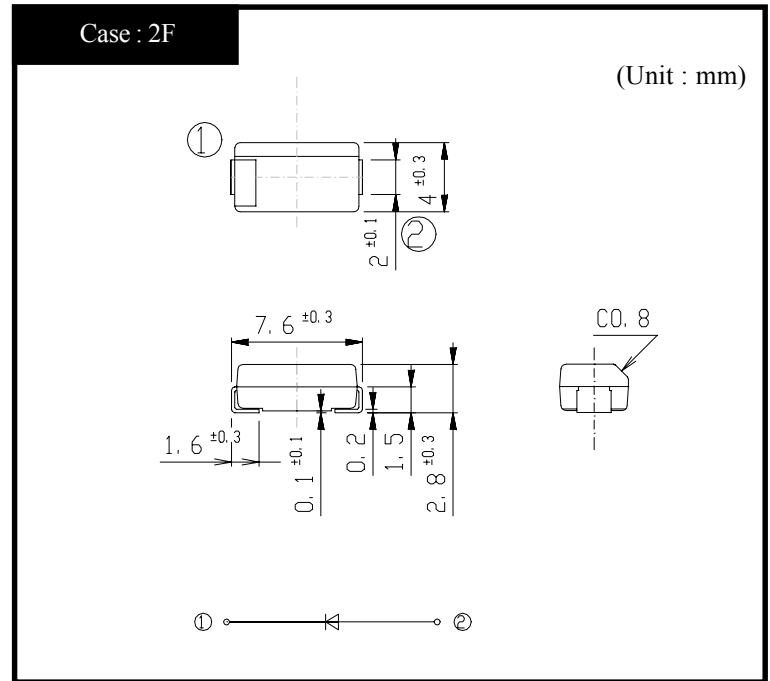


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OUTLINE DIMENSIONS



RATINGS

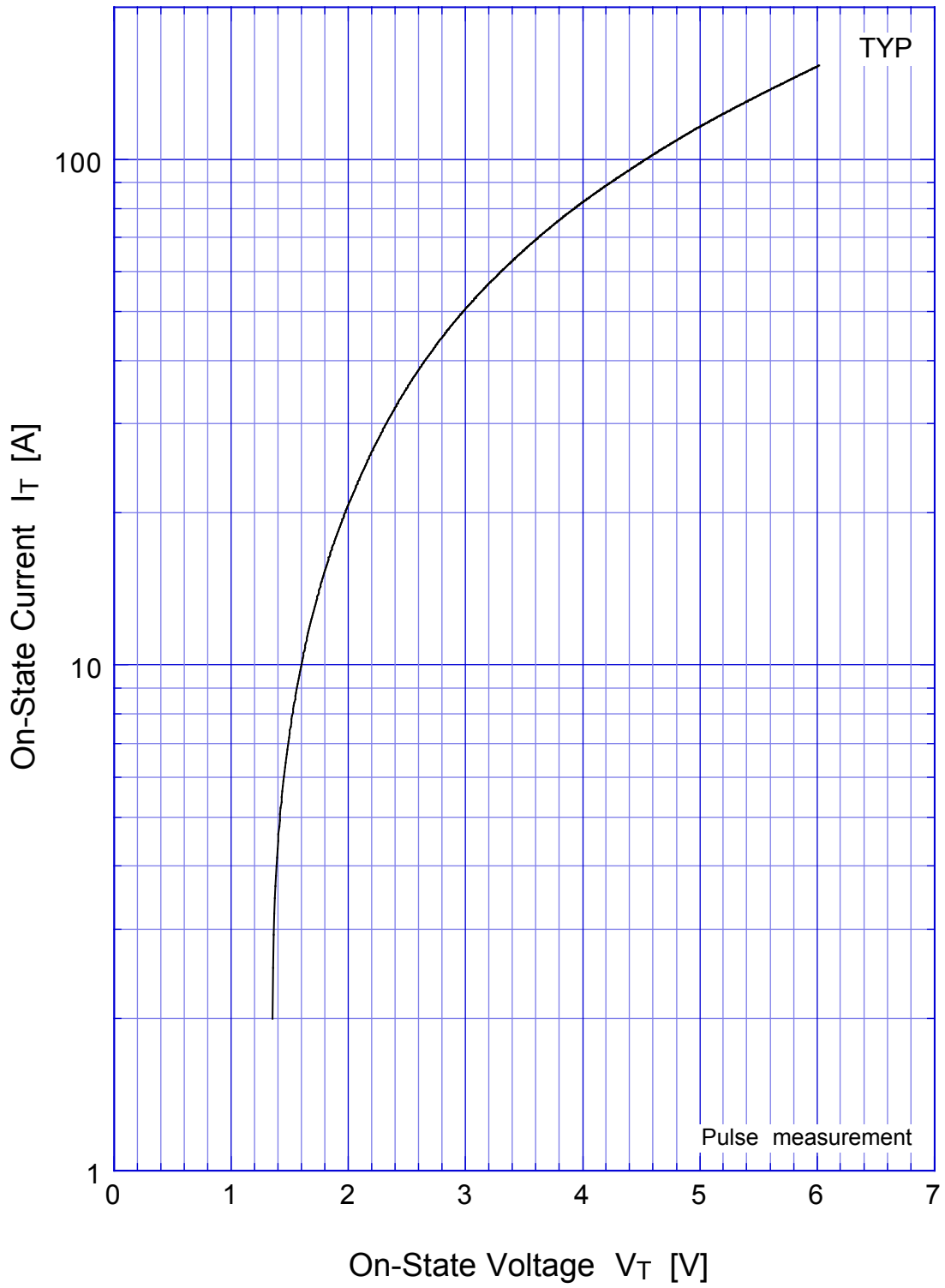
● Absolute Maximum Ratings

| Item | Symbol | Conditions | Ratings | Unit |
|---------------------------|------------------|----------------------------|---------|------|
| Storage Temperature | T _{stg} | | -40~125 | °C |
| Junction Temperature | T _j | | 125 | °C |
| Maximum Off-State Voltage | V _{DRM} | | 190 | V |
| Surge On-State Current | I _{TSM} | 10/1000 μs, Non-repetitive | 150 | A |
| | | 10/200 μs, Non-repetitive | 200 | |
| | | 8/20 μs, Non-repetitive | 300 | |

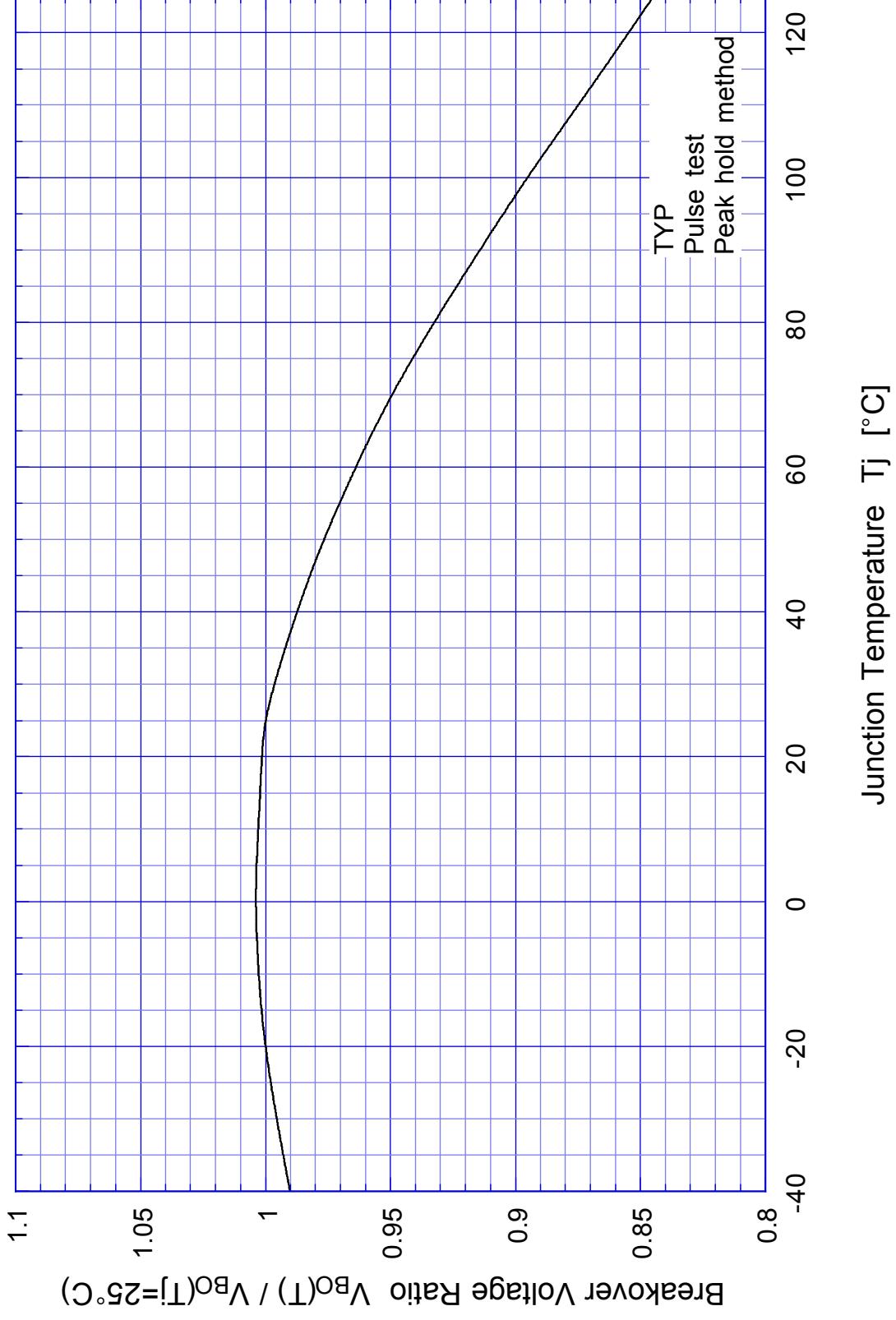
● Electrical Characteristics (Tl=25°C)

| Item | Symbol | Conditions | Ratings | Unit |
|----------------------|------------------|--------------------------------------------|----------|------|
| Breakover Voltage | V _{BO} | Pulse measurement (Peak hold) | Min 220 | V |
| Off-State Current | I _{DRM} | V _D = V _{DRM} | Max 10 | μA |
| Holding Current | I _H | Pulse measurement | Min 100 | mA |
| On-State Voltage | V _T | I _T = 2A | TYP 1.35 | V |
| Junction Capacitance | C _j | f = 1kHz OSC = 1V, V _D = 50V | Max 150 | pF |
| Clamping Voltage | V _{CL} | dv/dt = 100V/μs | Max 290 | V |

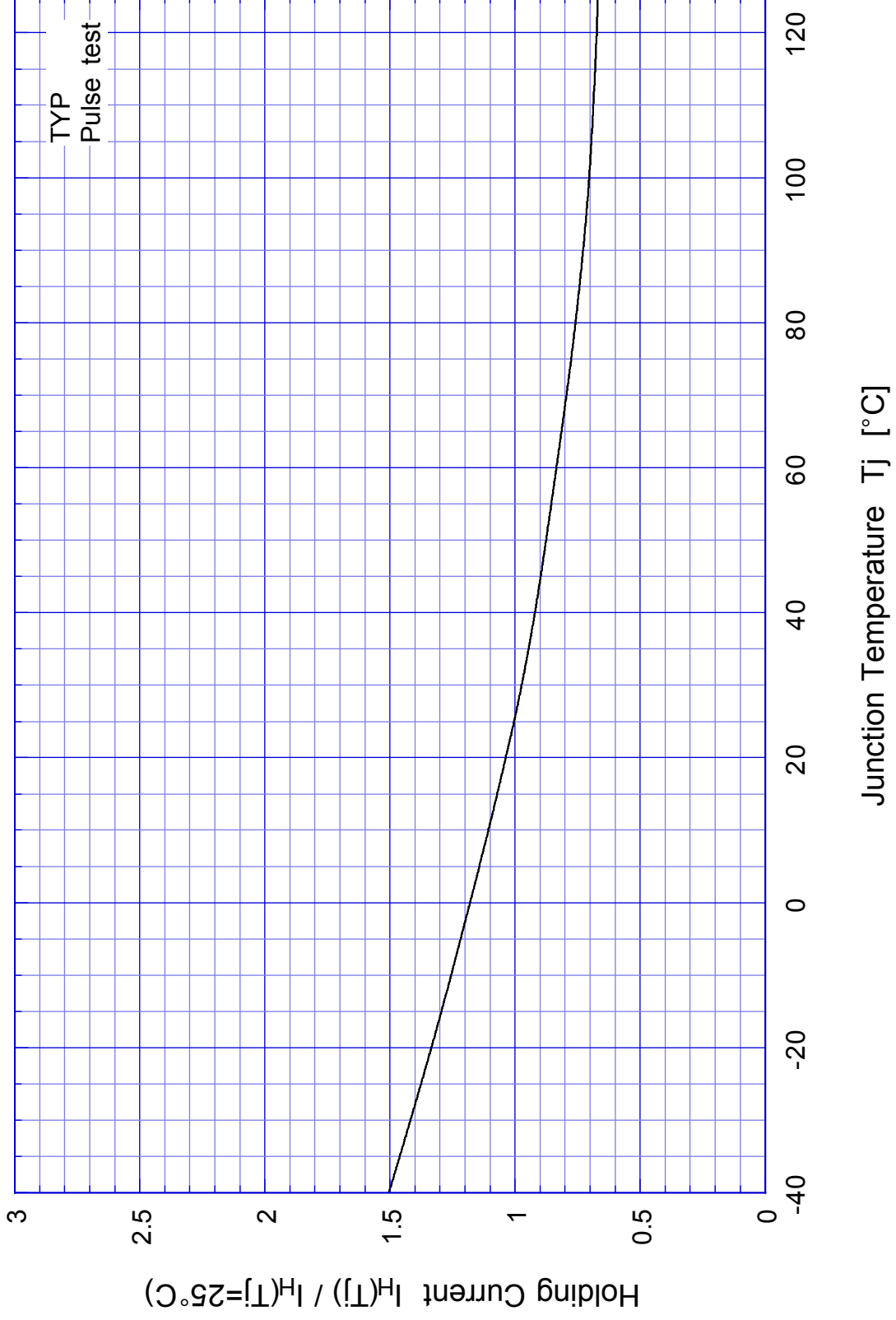
KP15R25 On-State Voltage - On-State Current



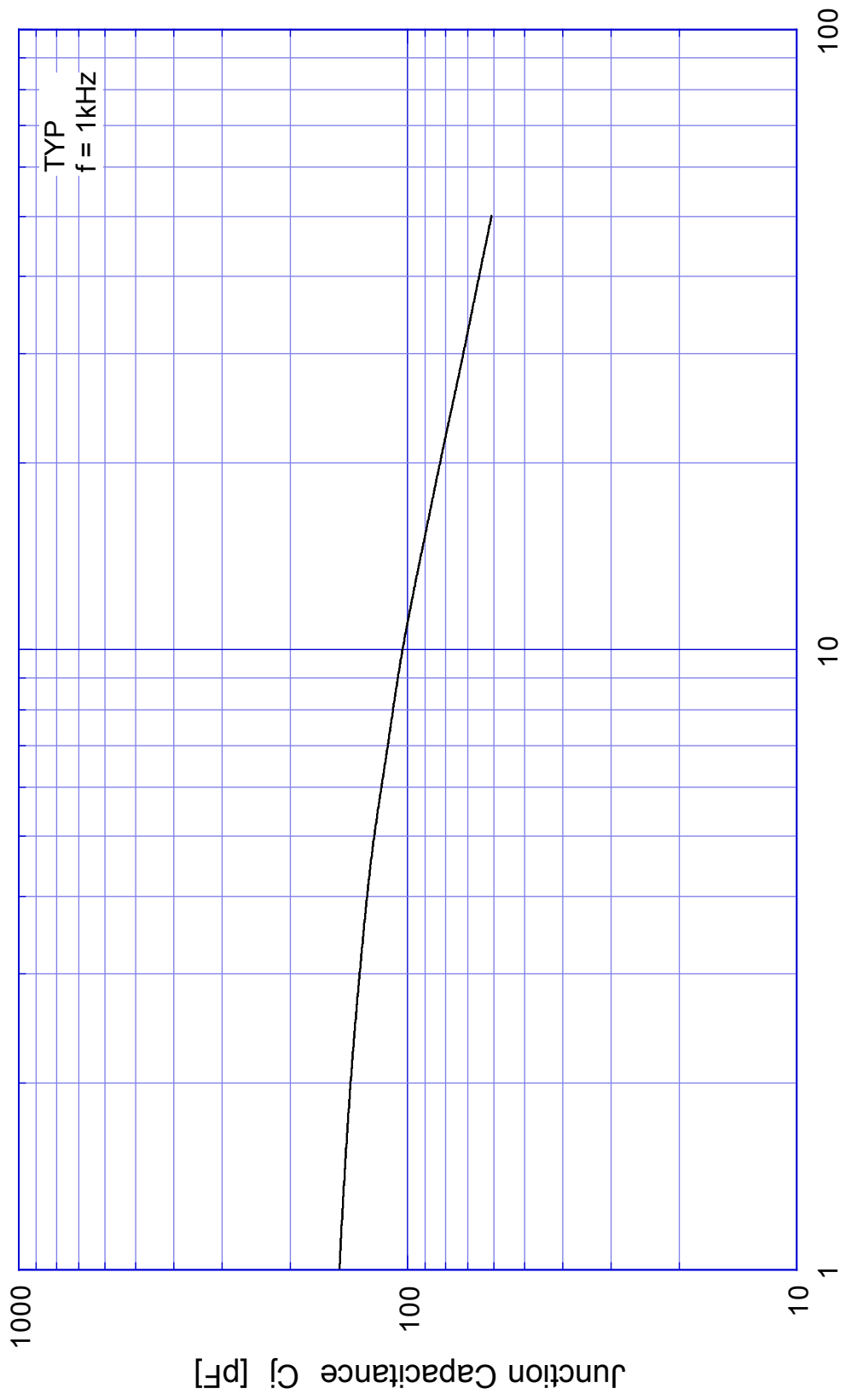
KP15R25 Breakover Voltage - Junction Temperature



KP15R25 Holding Current - Junction Temperature



KP15R25 Junction Capacitance



Off-State Applied Voltage V_D [V]

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Junction Capacitance

