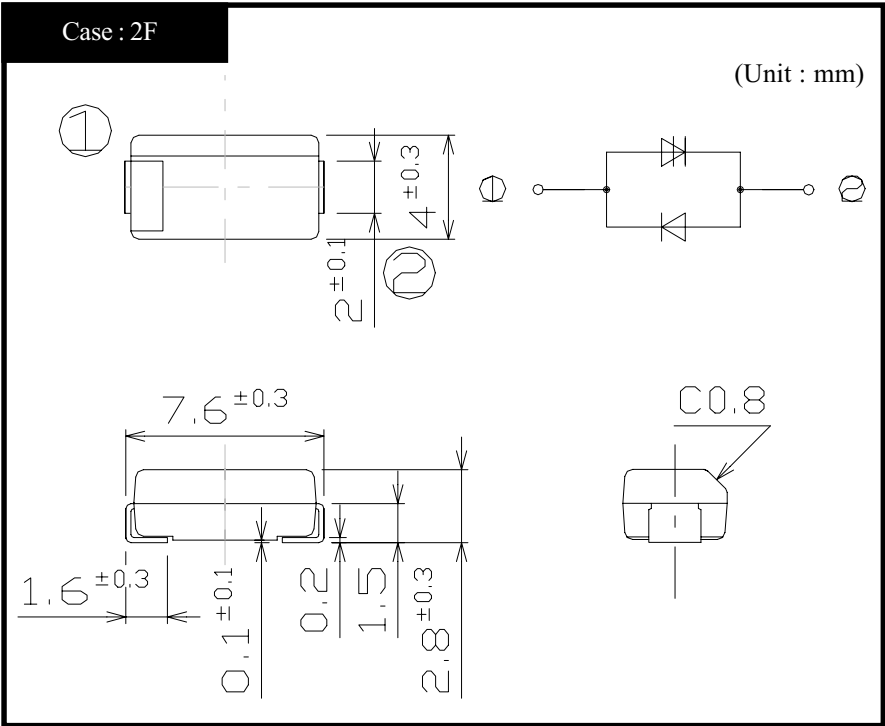


KP8LU07

OUTLINE DIMENSIONS



RATINGS

●Absolute Maximum Ratings

| Item                      | Symbol           | Conditions                  | Ratings | Unit |
|---------------------------|------------------|-----------------------------|---------|------|
| Storage Temperature       | T <sub>stg</sub> |                             | -40~125 | °C   |
| Junction Temperature      | T <sub>j</sub>   |                             | 125     | °C   |
| Maximum Off-State Voltage | V <sub>DRM</sub> |                             | 58      | V    |
| Surge On-State Current    | I <sub>TSM</sub> | 10/1000 μ s, Non-repetitive | 80      | A    |
|                           |                  | 8/20 μ s, Non-repetitive    | 200     |      |
| Surge On-State Current    | I <sub>FSM</sub> | 10/1000 μ s, Non-repetitive | 80      |      |

●Electrical Characteristics (Tl=25°C)

| Item                 | Symbol           | Conditions                                   | Ratings | Unit |
|----------------------|------------------|----------------------------------------------|---------|------|
| Breakdown Voltage    | V <sub>BR</sub>  | I <sub>BR</sub> =1mA                         | Min 65  | V    |
| Off-State Current    | I <sub>DRM</sub> | V <sub>D</sub> = V <sub>DRM</sub>            | Max 10  | μ A  |
| Holding Current      | I <sub>H</sub>   | Pulse measurement                            | Min 100 | mA   |
| On-State Voltage     | V <sub>T</sub>   | I <sub>T</sub> = 2A                          | TYP 2.0 | V    |
| Junction Capacitance | C <sub>j</sub>   | f = 1kHz<br>OSC = 20mV, V <sub>D</sub> = 50V | Max 100 | pF   |
| Clamping Voltage     | V <sub>CL</sub>  | dv/dt = 100V/μ s                             | Max 80  | V    |