

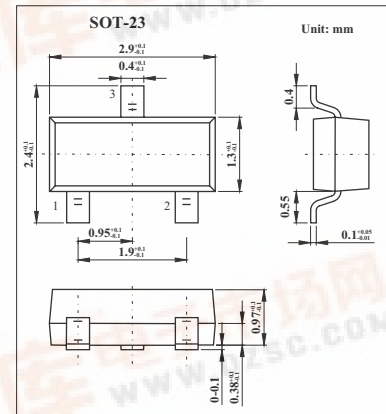
SMD Type Diodes

Schottky Diodes

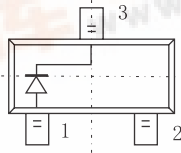
MMBD5819

■ Features

- Power Dissipation: $P_D = 300\text{mW}$
- Collector Current: $I_F = 1\text{A}$
- Collector-Base Voltage: $V_R = 40\text{V}$



■ PIN Array



■ Absolute Maximum Ratings $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Rating | Unit |
|--|----------------|-------------|------------------|
| Collector Current | I_F | 1 | A |
| Collector-Base Voltage | V_R | 40 | V |
| Power Dissipation | P_D | 300 | mW |
| Operating and Storage Junction Temperature Range | T_j, T_{STG} | -55 to +150 | $^\circ\text{C}$ |

■ Electrical Characteristics $T_a = 25^\circ\text{C}$

| Parameter | Symbol | Testconditions | Min | Typ | Max | Unit |
|---------------------------------|-------------|------------------------------|-----|-----|-----|---------------|
| Reverse Breakdown Voltage | $V_{(BR)R}$ | $I_R = 1\text{mA}$ | 40 | | | V |
| Forward Voltage (pulse test) | V_F | $I_F = 1\text{A}$ | | | 0.6 | V |
| | | $I_F = 3\text{A}$ | | | 0.9 | |
| Reverse Voltage Leakage Current | I_R | $V_R = 20\text{V}$ | | | 1 | μA |
| | | $V_R = 40\text{V}$ | | | 1 | |
| Diode Capacitance | C_D | $V_R = 0, f = 1.0\text{MHz}$ | | | 120 | pF |

■ Marking

| | |
|---------|----|
| Marking | SL |
|---------|----|

