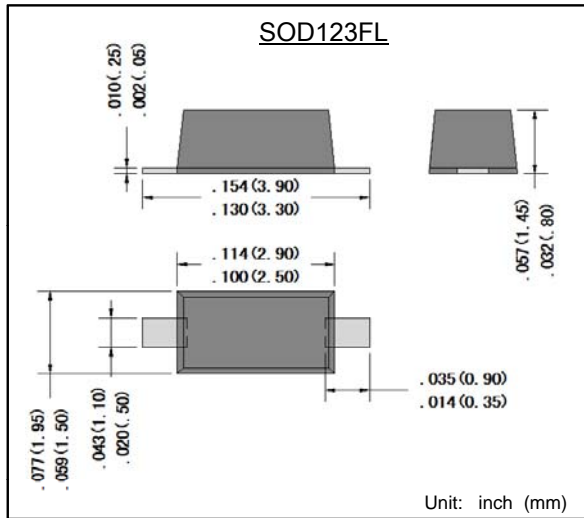


表面贴装稳压二极管
 功率 500 mW
 稳压电压范围 2.0~75 V

Surface Mount Zener Diode
 Power Dissipation 500 mW
 Zener Voltage Range 2.0~75 V



特征 Features

- 平面结构芯片 Planar die construction
- 标准稳压电压公差 ±2% Standard Zener voltage tolerance is ±2%
- 超小表面贴装器件 Ultra-small surface mount device
- 适合自动装配 Ideally suited for automated assembly processes
- 引线镀层和管体符合RoHS标准
 Lead plating and body according with RoHS standard

机械数据 Mechanical Data

- 封装: SOD123FL 塑料封装 Case: SOD123FL Molded plastic
- 极性: 色环端为负极 Polarity: Color band denotes cathode end
- 安装位置: 任意 Mounting Position: Any

极限值和温度特性 TA = 25°C 除非另有规定。

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| 参数 Parameter | 符号 Symbols | 数值 | 单位 |
|--|------------------|--------------|------|
| | | Value | Unit |
| 功率消耗 Power Dissipation | P _D | 500 | mW |
| 工作结温 Operating Junction Temperature | T _J | 150 | °C |
| 存储温度 Storage Temperature Range | T _{STG} | -65 --- +150 | °C |

电特性 TA = 25°C 除非另有规定。

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| 参数 Parameter | 符号 Symbols | 数值 | 单位 |
|------------------------------------|-----------------|-------|------|
| | | Value | Unit |
| 正向电压 Forward Voltage IF=10mA | V _{FM} | 0.9 | V |

电特性 TA = 25°C 除非另有规定。

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| 产品型号 Part No. | Marking | Zener Voltage Range | | | | Z _{ZT} | | Z _{ZK} | | I _R (uA) | |
|------------------|---------|---------------------|---------|---------|-----------------------|-----------------|-----------------------|-----------------|-----------------------|---------------------|--------|
| | | Min.(V) | Nom.(V) | Max.(V) | @I _{ZT} (mA) | Max. (Ω) | @I _{ZT} (mA) | Max. (Ω) | @I _{ZK} (mA) | Max. | @VR(V) |
| MMSZ2V0BW | 2V0B | 1.95 | 2 | 2.05 | 5 | 100 | 5 | 564 | 1 | 120 | 0.5 |
| MMSZ2V2BW | 2V2B | 2.14 | 2.2 | 2.26 | 5 | 100 | 5 | 564 | 1 | 120 | 0.7 |
| MMSZ2V4BW | 2V4B | 2.35 | 2.4 | 2.45 | 5 | 100 | 5 | 564 | 1 | 45 | 1 |
| MMSZ2V7BW | 2V7B | 2.65 | 2.7 | 2.75 | 5 | 100 | 5 | 564 | 1 | 18 | 1 |
| MMSZ3V0BW | 3V0B | 2.94 | 3 | 3.06 | 5 | 100 | 5 | 564 | 1 | 9 | 1 |
| MMSZ3V3BW | 3V3B | 3.23 | 3.3 | 3.37 | 5 | 95 | 5 | 564 | 1 | 4.5 | 1 |

电特性 TA = 25°C 除非另有规定。

Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

| 产品型号 Part No. | Marking | Zener Voltage Range | | | | Z _{ZT} | | Z _{ZK} | | I _R (uA) | |
|------------------|---------|---------------------|---------|---------|-----------------------|-----------------|-----------------------|-----------------|-----------------------|---------------------|--------|
| | | Min.(V) | Nom.(V) | Max.(V) | @I _{ZT} (mA) | Max. (Ω) | @I _{ZT} (mA) | Max. (Ω) | @I _{ZK} (mA) | Max. | @VR(V) |
| MMSZ3V6BW | 3V6B | 3.53 | 3.6 | 3.67 | 5 | 90 | 5 | 564 | 1 | 4.5 | 1 |
| MMSZ3V9BW | 3V9B | 3.82 | 3.9 | 3.98 | 5 | 90 | 5 | 564 | 1 | 2.7 | 1 |
| MMSZ4V3BW | 4V3B | 4.21 | 4.3 | 4.39 | 5 | 90 | 5 | 564 | 1 | 2.7 | 1 |
| MMSZ4V7BW | 4V7B | 4.61 | 4.7 | 4.79 | 5 | 80 | 5 | 470 | 1 | 2.7 | 2 |
| MMSZ5V1BW | 5V1B | 5 | 5.1 | 5.2 | 5 | 60 | 5 | 451 | 1 | 1.8 | 2 |
| MMSZ5V6BW | 5V6B | 5.49 | 5.6 | 5.71 | 5 | 40 | 5 | 376 | 1 | 0.9 | 2 |
| MMSZ6V2BW | 6V2B | 6.08 | 6.2 | 6.32 | 5 | 10 | 5 | 141 | 1 | 2.7 | 4 |
| MMSZ6V8BW | 6V8B | 6.66 | 6.8 | 6.94 | 5 | 15 | 5 | 75 | 1 | 1.8 | 4 |
| MMSZ7V5BW | 7V5B | 7.35 | 7.5 | 7.65 | 5 | 15 | 5 | 75 | 1 | 0.9 | 5 |
| MMSZ8V2BW | 8V2B | 8.04 | 8.2 | 8.36 | 5 | 15 | 5 | 75 | 1 | 0.63 | 5 |
| MMSZ9V1BW | 9V1B | 8.92 | 9.1 | 9.28 | 5 | 15 | 5 | 94 | 1 | 0.45 | 6 |
| MMSZ10VBW | 10VB | 9.8 | 10 | 10.2 | 5 | 20 | 5 | 141 | 1 | 0.18 | 7 |
| MMSZ11VBW | 11VB | 10.78 | 11 | 11.22 | 5 | 20 | 5 | 141 | 1 | 0.09 | 8 |
| MMSZ12VBW | 12VB | 11.76 | 12 | 12.24 | 5 | 25 | 5 | 141 | 1 | 0.09 | 8 |
| MMSZ13VBW | 13VB | 12.74 | 13 | 13.26 | 5 | 30 | 5 | 160 | 1 | 0.09 | 8 |
| MMSZ15VBW | 15VB | 14.7 | 15 | 15.3 | 5 | 30 | 5 | 188 | 1 | 0.045 | 10.5 |
| MMSZ16VBW | 16VB | 15.68 | 16 | 16.32 | 5 | 40 | 5 | 188 | 1 | 0.045 | 11.2 |
| MMSZ18VBW | 18VB | 17.64 | 18 | 18.36 | 5 | 45 | 5 | 212 | 1 | 0.045 | 12.6 |
| MMSZ20VBW | 20VB | 19.6 | 20 | 20.4 | 5 | 55 | 5 | 212 | 1 | 0.045 | 14 |
| MMSZ22VBW | 22VB | 21.56 | 22 | 22.44 | 5 | 55 | 5 | 235 | 1 | 0.045 | 15.4 |
| MMSZ24VBW | 24VB | 23.52 | 24 | 24.48 | 5 | 70 | 5 | 235 | 1 | 0.045 | 16.8 |
| MMSZ27VBW | 27VB | 26.46 | 27 | 27.54 | 2 | 80 | 2 | 282 | 0.5 | 0.045 | 18.9 |
| MMSZ30VBW | 30VB | 29.4 | 30 | 30.6 | 2 | 80 | 2 | 282 | 0.5 | 0.045 | 21 |
| MMSZ33VBW | 33VB | 32.34 | 33 | 33.66 | 2 | 80 | 2 | 306 | 0.5 | 0.045 | 23 |
| MMSZ36VBW | 36VB | 35.28 | 36 | 36.72 | 2 | 90 | 2 | 329 | 0.5 | 0.045 | 25.2 |
| MMSZ39VBW | 39VB | 38.22 | 39 | 39.78 | 2 | 130 | 2 | 329 | 0.5 | 0.045 | 27.3 |
| MMSZ43VBW | 43VB | 42.14 | 43 | 43.86 | 2 | 150 | 2 | 353 | 0.5 | 0.045 | 30.1 |
| MMSZ47VBW | 47VB | 46.06 | 47 | 47.94 | 2 | 170 | 2 | 353 | 0.5 | 0.045 | 33 |
| MMSZ51VBW | 51VB | 49.98 | 51 | 52.02 | 2 | 180 | 2 | 376 | 0.5 | 0.045 | 35.7 |
| MMSZ56VBW | 56VB | 54.88 | 56 | 57.12 | 2 | 200 | 2 | 400 | 0.5 | 0.045 | 39.2 |
| MMSZ62VBW | 62VB | 60.76 | 62 | 63.24 | 2 | 215 | 2 | 423 | 0.5 | 0.045 | 43.4 |
| MMSZ68VBW | 68VB | 66.64 | 68 | 69.36 | 2 | 240 | 2 | 447 | 0.5 | 0.045 | 47.6 |
| MMSZ75VBW | 75VB | 73.5 | 75 | 76.5 | 2 | 255 | 2 | 470 | 0.5 | 0.045 | 52.5 |