## 5 é

SOD-123

Zener Diode in a SOD-123 Plastic Package.

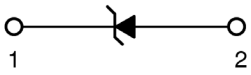
## ¤ ª

Wide zener reverse voltage range 2.4V-110V,Maximum $P_D$ to 500mW. HF Product.

## Ð ÷

Design for 500mW SOD-123 surface mount.

## Ã W ] Ô ·




## • Û - æ



PIN1:Cathode PIN2:Anode

## Z Ü B , M V

See Electrical Characteristics.

| Parameter | Symbol | Rating | Unit |
|---|---|---|---|
| Forward Voltage / P U F (IF=10mA) | $V_F$ | 0.9 | V |
| Power Dissipation / P U F | $P_D$ | 500 | mW |
| Thermal Resistance Junction to Ambient Air / P U F | $R_{JA}$ | 350 | /W |
| Operating and Storage Temperature Range | $T_j, T_{stg}$ | -65 150 | |

| Device | Device Marking | Zener Voltage / P U F | | | | Max. Zener Impedance / P U F | | | Max Reverse Leakage Current / P U F | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | $V_z$(V) | | | @ $I_{zT}$ | $Z_{Zt}$ @ $I_{zT}$ | $Z_{zk}$ @ $I_{zk}$ | | $I_R$ @ $V_R$ | |
| | | Min | Nom | Max | mA | | | mA | uA | V |
| MMSZ5221B | HC1 | 2.28 | 2.4 | 2.52 | 20 | 30 | 1200 | 0.25 | 100 | 1 |
| MMSZ5222B | HC2 | 2.38 | 2.5 | 2.63 | 20 | 30 | 1250 | 0.25 | 100 | 1 |

| Device | Device Marking | Zener Voltage / P U F | | | | Max. Zener Impedance / P U F | | | Max Reverse Leakage Current / P U F | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | $V_z$(V) | | | @ $I_{zT}$ | $Z_{Zt}$ @ $I_{zT}$ | $Z_{zk}$ @ $I_{zk}$ | | $I_R$ @ $V_R$ | |
| | | Min | Nom | Max | mA | | | mA | uA | V |
| MMSZ5253B | HK3 | 23.75 | 25 | 26.25 | 5.0 | 35 | 600 | 0.25 | 0.1 | 19 |
| MMSZ5254B | HK4 | 25.65 | 27 | 28.35 | 4.6 | 41 | 600 | 0.25 | 0.1 | 21 |
| MMSZ5255B | HK5 | 26.60 | 28 | 29.40 | 4.5 | 44 | 600 | 0.25 | 0.1 | 21 |
| MMSZ5256B | HM1 | 28.50 | 30 | 31.50 | 4.2 | 49 | 600 | 0.25 | 0.1 | 23 |
| MMSZ5257B | HM2 | 31.35 | 33 | 34.65 | 3.8 | 58 | 700 | 0.25 | 0.1 | 25 |
| MMSZ5258B | HM3 | 34.20 | 36 | 37.80 | 3.4 | 70 | 700 | 0.25 | 0.1 | 27 |

## Ô ? d • Ž ¢

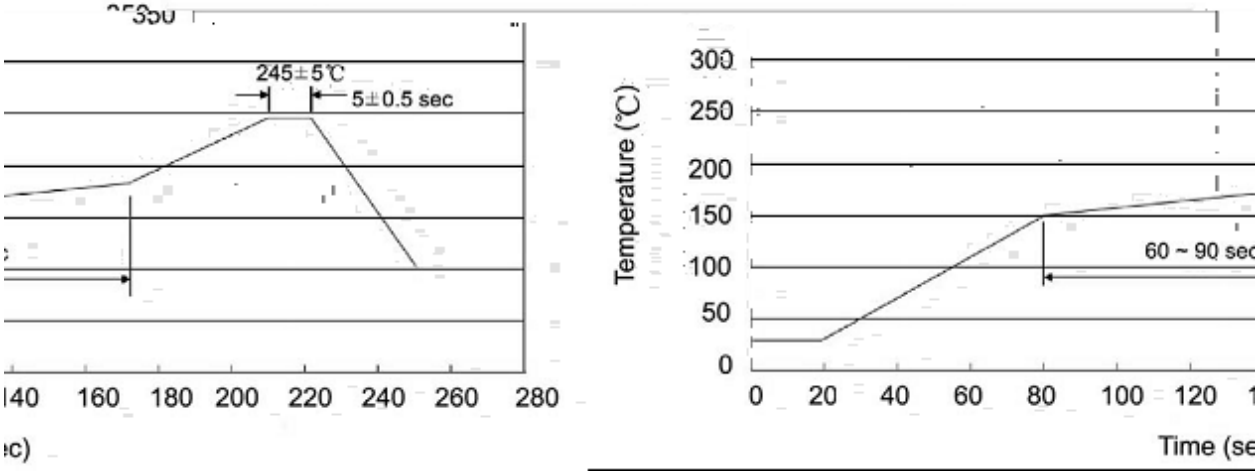





, M y *f*



## š WD t … • Ž ¢ x / : K S V K X G Z [ X K 6 X U L O R K L U X / 8 8 K L R U ] 9 U R J K X O T M 6




Note:

1 150 180 60 90sec;

1.Preheating:150~180 , Time:60~90sec.

2 245 5 5 0.5sec;

2.Peak Temp.:245 5 , Duration:5 0.5sec.

3 2 10 /sec.

3. Cooling Speed: 2~10 /sec.

## ÂD /Cã p ¯ » ]

260 5 10 1 sec.

Temp.:260 5 Time:10 1 sec

## G P á

/ REEL

| Package Type ß m ù ´ | Units g m ô h | | | | | Dimension g m d Ê (unit ! mm³) | | |
|---|---|---|---|---|---|---|---|---|
| | Units/Reel / | Reels/Inner Box | Units/Inner Box / ç | Inner Boxes/Outer Box ç / ± | Units/Outer Box / ± | Reel | Inner Box ç | Outer Box ± |
| SOD-123 | 3,000 | 10 | 30,000 | 6 | 180,000 | 7 s ×8 | 180×120×180 | 390×385×205 |

## „ Ð y ƒ