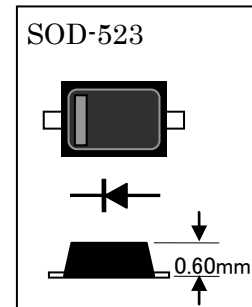


MM5Z Series

- ◇ Constant Voltage control
- ◇ Wide Voltage Range Selection 2.4V to 75V
- ◇ **SOD523 Thin** SMD package
- ◇ RoHS compliant / Green EMC
- ◇ Matte Tin (Sn) Lead finish
- ◇ Cathode Band / Device marking

Refer to table list



Maximum Ratings (Ta = 25 °C)

※Mark: refer to Device Marking

| Symbol | Parameter | Value | Units |
|-----------|---------------------------|-------------|-------|
| P_D | Power Dissipation | 150 | mW |
| T_J | Junction Temperature | 125 | °C |
| T_{STG} | Storage Temperature | -55 to +125 | °C |
| I_{ZM} | Maximum Regulator Current | P_D/V_Z | mA |

Electrical Characteristics (Ta = 25 °C)

| Type Number | Device Marking | V_Z (V) ^{*1} | | | I_{ZT} mA | $Z_{ZT}@I_{ZT}$ Ω | $Z_{ZK}@I_{ZK}$ Ω | I_{ZK} (mA) | I_R (μ A) | V_R (V) |
|-------------|----------------|-------------------------|--------|--------|----------------|-----------------------------|-----------------------------|------------------|---------------------|--------------|
| | | Nom(V) | Min(V) | Max(V) | | | | | | |
| MM5Z2V4 | Z11 | 2.4 | 2.20 | 2.60 | 5 | 100 | 600 | 1.0 | 50 | 1.0 |
| MM5Z2V7 | Z12 | 2.7 | 2.5 | 2.9 | 5 | 100 | 600 | 1.0 | 20 | 1.0 |
| MM5Z3V0 | Z13 | 3.0 | 2.8 | 3.2 | 5 | 95 | 600 | 1.0 | 10 | 1.0 |
| MM5Z3V3 | Z14 | 3.3 | 3.1 | 3.5 | 5 | 95 | 600 | 1.0 | 5 | 1.0 |
| MM5Z3V6 | Z15 | 3.6 | 3.4 | 3.8 | 5 | 90 | 600 | 1.0 | 5 | 1.0 |
| MM5Z3V9 | Z16 | 3.9 | 3.7 | 4.1 | 5 | 90 | 600 | 1.0 | 3 | 1.0 |
| MM5Z4V3 | Z17 | 4.3 | 4.0 | 4.6 | 5 | 90 | 600 | 1.0 | 3 | 1.0 |
| MM5Z4V7 | Z1 | 4.7 | 4.4 | 5.0 | 5 | 80 | 500 | 1.0 | 3 | 2.0 |
| MM5Z5V1 | Z2 | 5.1 | 4.8 | 5.4 | 5 | 60 | 480 | 1.0 | 2 | 2.0 |
| MM5Z5V6 | Z3 | 5.6 | 5.2 | 6.0 | 5 | 40 | 400 | 1.0 | 1 | 2.0 |
| MM5Z6V2 | Z4 | 6.2 | 5.8 | 6.6 | 5 | 10 | 150 | 1.0 | 3 | 4.0 |

Continued next page

MM5Z Series

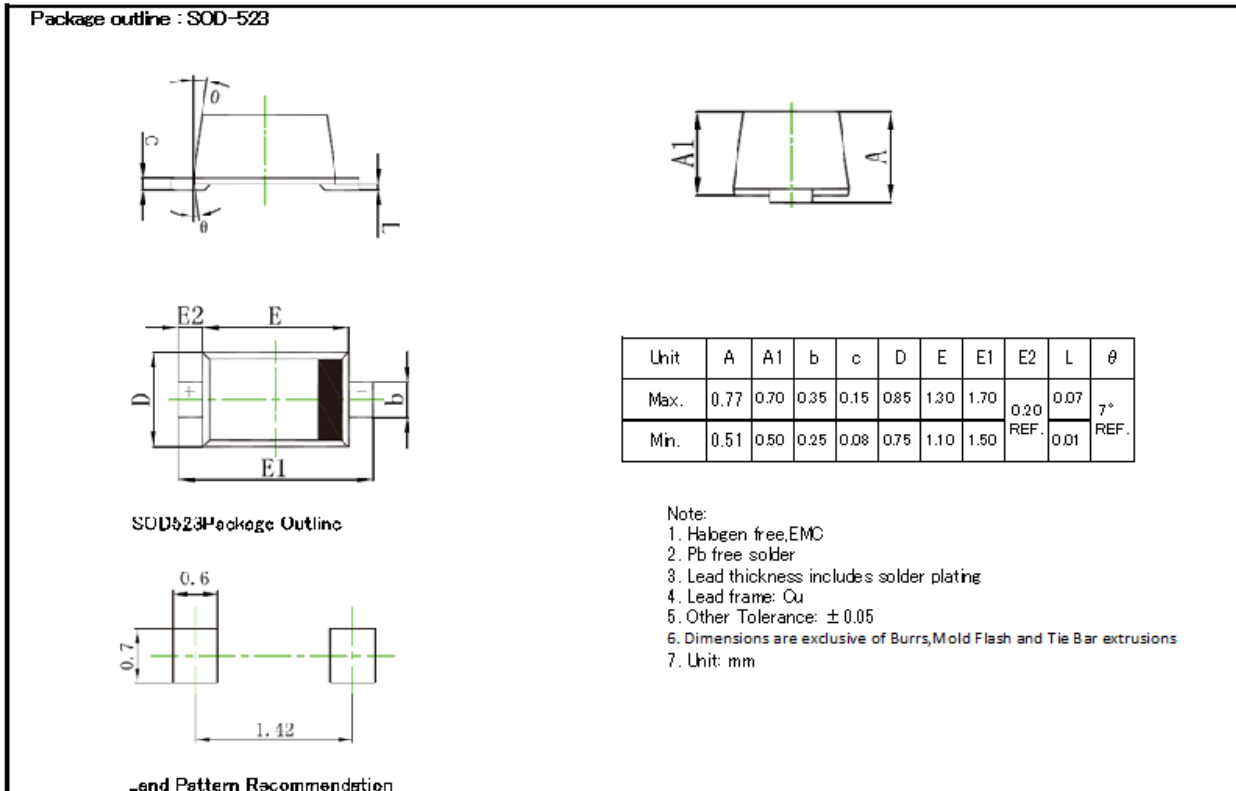
Electrical Characteristics (Ta = 25 °C)

| Type Number | Device Marking | Vz (V) *1 | | | I _{ZT} | Z _{ZT} @I _{ZT} | Z _{ZK} @I _{ZK} | I _{ZK} | I _R | V _R |
|-------------|----------------|-----------|--------|--------|-----------------|----------------------------------|----------------------------------|-----------------|----------------|----------------|
| | | Nom(V) | Min(V) | Max(V) | mA | Ω | | (mA) | (uA) | (V) |
| MM5Z6V8 | Z5 | 6.8 | 6.4 | 7.2 | 5 | 15 | 80 | 1.0 | 2 | 4.0 |
| MM5Z7V5 | Z6 | 7.5 | 7.0 | 7.9 | 5 | 15 | 80 | 1.0 | 1 | 5.0 |
| MM5Z8V2 | Z7 | 8.2 | 7.7 | 8.7 | 5 | 15 | 80 | 1.0 | 0.7 | 5.0 |
| MM5Z9V1 | Z8 | 9.1 | 8.5 | 9.6 | 5 | 15 | 100 | 1.0 | 0.5 | 6.0 |
| MM5Z10V | Z9 | 10.0 | 9.4 | 10.6 | 5 | 20 | 150 | 1.0 | 0.2 | 7.0 |
| MM5Z11V | Y1 | 11.0 | 10.4 | 11.6 | 5 | 20 | 150 | 1.0 | 0.1 | 8.0 |
| MM5Z12V | Y2 | 12.0 | 11.40 | 12.7 | 5 | 25 | 150 | 1.0 | 0.1 | 8.0 |
| MM5Z13V | Y3 | 13.0 | 12.40 | 14.10 | 5 | 30 | 170 | 1.0 | 0.1 | 8.0 |
| MM5Z15V | Y4 | 15.0 | 13.8 | 15.6 | 5 | 30 | 200 | 1.0 | 0.1 | 10.5 |
| MM5Z16V | Y5 | 16.0 | 15.3 | 17.1 | 5 | 40 | 200 | 1.0 | 0.1 | 11.2 |
| MM5Z18V | Y6 | 18.0 | 16.8 | 19.1 | 5 | 45 | 225 | 1.0 | 0.1 | 12.6 |
| MM5Z20V | Y7 | 20.0 | 18.8 | 21.2 | 5 | 55 | 225 | 1.0 | 0.1 | 14.0 |
| MM5Z22V | Y8 | 22.0 | 20.8 | 23.3 | 5 | 55 | 250 | 1.0 | 0.1 | 15.4 |
| MM5Z24V | Y9 | 24.0 | 22.80 | 25.6 | 5 | 70 | 250 | 1.0 | 0.1 | 16.8 |
| MM5Z27V | Y10 | 27.0 | 25.1 | 28.9 | 2 | 80 | 300 | 0.5 | 0.1 | 18.9 |
| MM5Z30V | Y11 | 30.0 | 28.0 | 32.0 | 2 | 80 | 300 | 0.5 | 0.1 | 21.0 |
| MM5Z33V | Y12 | 33.0 | 31.0 | 35.0 | 2 | 80 | 325 | 0.5 | 0.1 | 23.1 |
| MM5Z36V | Y13 | 36.0 | 34.0 | 38.0 | 2 | 90 | 350 | 0.5 | 0.1 | 25.2 |
| MM5Z39V | Y14 | 39.0 | 37.0 | 41.0 | 2 | 130 | 350 | 0.5 | 0.1 | 27.3 |
| MM5Z43V | Y15 | 43.0 | 40.0 | 46.0 | 2 | 100 | 700 | 1 | 0.1 | 32 |
| MM5Z47V | V1 | 47.0 | 44.65 | 49.35 | 2 | 170 | 1000 | 0.25 | 0.1 | 36 |
| MM5Z51V | V2 | 51.0 | 48.45 | 53.55 | 2 | 180 | 1300 | 0.25 | 0.1 | 39 |
| MM5Z56V | V3 | 56.0 | 53.20 | 58.80 | 2 | 200 | 1400 | 0.25 | 0.1 | 43 |
| MM5Z62V | V4 | 62.0 | 58.90 | 65.10 | 2 | 225 | 1400 | 0.25 | 0.1 | 47 |
| MM5Z68V | V5 | 68.0 | 64.60 | 71.40 | 2 | 240 | 1600 | 0.25 | 0.1 | 52 |
| MM5Z75V | V6 | 75.0 | 71.25 | 78.75 | 2 | 265 | 1700 | 0.25 | 0.1 | 56 |

*1 Pulse width = 10 ms

MM5Z Series

Package Dimensions



单击下面可查看定价，库存，交付和生命周期等信息

[>>YONGYUTAI\(永裕泰\)](#)