

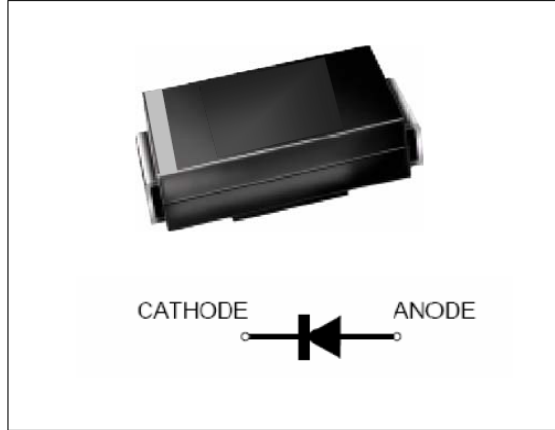
S-SZA***A Series

GLASS PASSIVATED JUNCTION Zener voltage regulator diodes

1.0 Watt Steady State

Feature

- * 1W SMA
- * Zener voltage regulator diodes
- * Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- * We declare that the material of product compliance with RoHS requirements.
- * Guarding for over voltage protection
- * High temperature soldering guaranteed: 260°C/10 seconds at terminals
- * S- prefix for automotive and other applications requiring unique site and control change requirements; AEC-Q101 qualified and PPAP capable.



We declare that the material of product compliance with ROHS requirements

Mechanical Data

Case: JEDEC DO-214AC molded plastic

Terminals: Axial leads, solderable per MIL-STD-202, Method 208

Polarity: Color band denoted cathode except Bipolar

Mounting Position: Any

Weight: 0.0023 ounce, 0.065 gram

1. Electrical Characteristic

Ratings at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

| RATING | SYMBOL | VALUE | UNITS |
|------------------------------------------------------------------|----------------|-------------|-------|
| Steady State Power Dissipation at $T_L=75^\circ\text{C}$ (Note1) | $P_{M(AV)}$ | 1.0 | Watts |
| Z-current | I_Z | P_V/V_Z | mA |
| Operating and Storage Temperature Range | T_J, T_{STG} | -50 to +150 | °C |

NOTES:

1. Mounted on Copper Leaf area of 1.57in²(40mm²).

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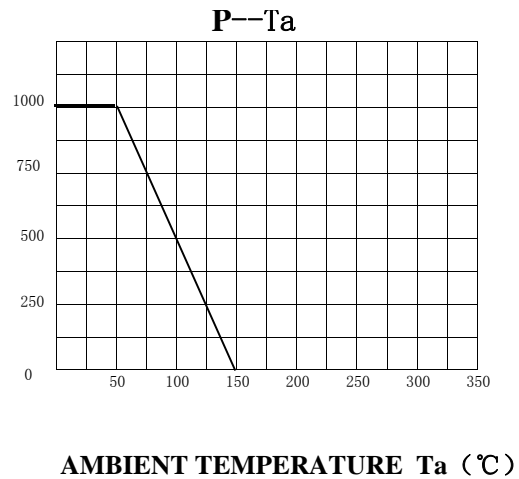
2.Product Characteristic

Vz tolerance : ±5%; Ta=25°C Vfmax =1.2V @ IF = 200mA P=1 W

| Type | Device marking code | Zener | Current | A and B Suffix only | | | Leakage Current | | Maximum Regulator Current2) |
|-----------|---------------------|---------|---------|---------------------|-----------|-----------|-----------------|----------------|-------------------------------|
| | | Voltage | I zt | Z zt @ I zt | Z zk@ Izk | Z zk@ Izk | I _R | V _R | I _{ZM} @ Tamb =50 °C |
| | | Vz@Lzt | | | | | | | |
| | | Volts | mA | Ohms | Ohms | m A | uA Max | Volts | mA |
| S-SZA2.4A | Z2.4 | 2.4 | 102 | 30 | 1200 | 1 | 100 | 1.0 | 378 |
| S-SZA2.5A | Z2.5 | 2.5 | 98 | 30 | 1250 | | | 1.0 | 362 |
| S-SZA2.7A | Z2.7 | 2.7 | 90 | 30 | 1300 | | | 1.0 | 334 |
| S-SZA2.8A | Z2.8 | 2.8 | 87 | 30 | 1400 | | | 1.0 | 324 |
| S-SZA3.0A | Z3.0 | 3.0 | 82 | 29 | 1600 | | | 1.0 | 302 |
| S-SZA3.3A | Z3.3 | 3.3 | 76 | 28 | 400 | | | 1.0 | 276 |
| S-SZA3.6A | Z3.6 | 3.6 | 69 | 24 | 400 | | | 1.0 | 252 |
| S-SZA3.9A | Z3.9 | 3.9 | 64 | 23 | 400 | | | 1.0 | 238 |
| S-SZA4.3A | Z4.3 | 4.3 | 58 | 22 | 400 | | | 1.0 | 214 |
| S-SZA4.7A | Z4.7 | 4.7 | 53 | 19 | 400 | | | 1.0 | 194 |
| S-SZA5.1A | Z5.1A | 5.1 | 49 | 7 | 550 | | | 1.0 | 178 |
| S-SZA5.6A | Z5.6A | 5.6 | 45 | 5 | 600 | | | 2.0 | 164 |
| S-SZA6.2A | Z6.2A | 6.2 | 41 | 2 | 700 | | | 3.0 | 146 |
| S-SZA6.8A | Z6.8A | 6.8 | 37 | 4 | 1300 | | | 4 | 133 |
| S-SZA7.5A | Z7.5A | 7.5 | 34 | 4.5 | 1300 | 0.5 | 70 | 5 | 121 |
| S-SZA8.2A | Z8.2A | 8.2 | 31 | 5.5 | 1300 | 0.5 | | 6 | 110 |
| S-SZA9.1A | Z9.1A | 9.1 | 28 | 6 | 1300 | 0.5 | | 7 | 100 |
| S-SZA10A | Z10A | 10 | 25 | 7 | 1300 | 0.25 | 2 | 7.6 | 91 |
| S-SZA11A | Z11A | 11 | 23 | 8 | 1300 | | | 8.4 | 83 |
| S-SZA12A | Z12A | 12 | 21 | 9 | 1300 | | | 9.1 | 76 |
| S-SZA13A | Z13A | 13 | 19 | 10 | 1300 | | | 9.9 | 69 |
| S-SZA15A | Z15A | 15 | 17 | 14 | 1300 | | | 11.4 | 61 |
| S-SZA16A | Z16A | 16 | 15.5 | 16 | 1300 | | | 12.2 | 57 |
| S-SZA18A | Z18A | 18 | 14 | 20 | 1300 | | | 13.7 | 50 |
| S-SZA20A | Z20A | 20 | 12.5 | 22 | 1300 | | | 15.2 | 45 |
| S-SZA22A | Z22A | 22 | 11.5 | 23 | 1300 | | | 16.7 | 41 |
| S-SZA24A | Z24A | 24 | 10.5 | 25 | 1300 | | | 18.2 | 38 |
| S-SZA27A | Z27A | 27 | 9.5 | 35 | 1300 | | | 20.6 | 34 |
| S-SZA30A | Z30A | 30 | 8.5 | 40 | 1500 | | | 22.8 | 30 |
| S-SZA33A | Z33A | 33 | 7.5 | 45 | 1500 | | | 25.1 | 27 |
| S-SZA36A | Z36A | 36 | 7 | 50 | 1500 | | | 27.4 | 25 |
| S-SZA39A | Z39A | 39 | 6.5 | 60 | 1500 | 29.7 | 23 | | |
| S-SZA43A | Z43A | 43 | 6 | 70 | 2500 | 32.7 | 22 | | |
| S-SZA47A | Z47A | 47 | 5.5 | 80 | 2500 | 35.8 | 19 | | |
| S-SZA51A | Z51A | 51 | 5 | 95 | 2500 | 38.8 | 18 | | |
| S-SZA56A | Z56A | 56 | 4.5 | 110 | 2500 | 42.6 | 16 | | |
| S-SZA62A | Z62A | 62 | 4 | 125 | 2500 | 47.1 | 14 | | |
| S-SZA68A | Z68A | 68 | 3.7 | 150 | 2500 | 51.7 | 13 | | |
| S-SZA75A | Z75A | 75 | 3.3 | 175 | 2500 | 56 | 12 | | |
| S-SZA82A | Z82A | 82 | 3 | 200 | 3000 | 62.2 | 11 | | |
| S-SZA91A | Z91A | 91 | 2.8 | 250 | 3000 | 69.2 | 10 | | |
| S-SZA100A | Z100A | 100 | 2.5 | 350 | 3000 | 76 | 9 | | |
| S-SZA110A | Z110A | 110 | 2 | 550 | 5000 | 83 | 8 | | |
| S-SZA120A | Z120A | 120 | 1.5 | 750 | 5500 | 90 | 7 | | |
| S-SZA130A | Z130A | 130 | 1 | 900 | 6000 | 98 | 6 | | |
| S-SZA150A | Z150A | 150 | 1 | 1200 | 6500 | 113 | 6 | | |
| S-SZA160A | Z160A | 160 | 1 | 1350 | 7000 | 120 | 6 | | |
| S-SZA180A | Z180A | 180 | 1 | 1650 | 8500 | 135 | 5 | | |
| S-SZA200A | Z200A | 200 | 1 | 1950 | 10000 | 150 | 4 | | |

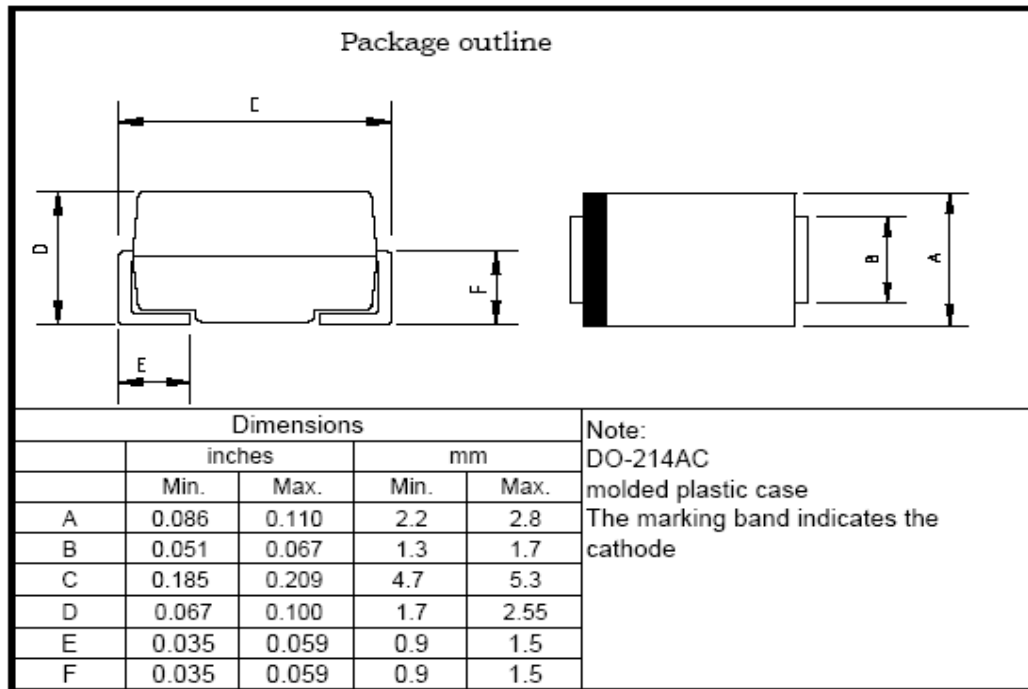
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3.Characteristic Curves



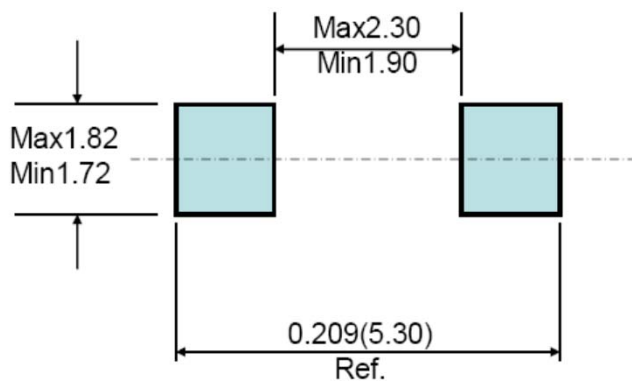
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4.Package Dimensions in inches and (millimeters)



Mounting Pad Layout

---SMA



单击下面可查看定价，库存，交付和生命周期等信息

[>>LRC\(乐山无线电\)](#)