



BZT52C5V1---5V6

主要参数 MAIN CHARACTERISTICS

| | |
|----------|----------|
| I_{zT} | 5mA |
| V_z | 5.1-5.6V |

封装 Package



SOD-123

产品特性

低阻抗
高稳定性
高可靠性
表面贴装，适用于自动

FEATURES

Low Zener Impedance
High Stability
High Reliability
Surface mount package ideally suited for

绝对最大额定值 ABSOLUTE RATINGS ($T_c=25^\circ\text{C}$)

| 项 目 Parameter | 符 号 Symbol | 数 值 Value | 单 位 Unit |
|---|---------------|--------------|------------------|
| 正向压降 Forward Voltage ($I_F=10\text{mA}$) | V_F | 0.9 | V |
| 耗散功率 Power Dissipation | P_D | 500 | mW |
| 最高结温 Maximum Junction Temperature | T_j | 150 | $^\circ\text{C}$ |
| 储存温度 Storage Temperature Range | T_{STG} | -65~+150 | $^\circ\text{C}$ |





电特性 ELECTRICAL CHARACTERISTICS

| Type Number | Mark-ing Code | Zener Voltage Range | | | | Maximum Zener Impedance | | | Maximum Reverse Current | | Typical Temperature Coefficient @I _{ZTC} mV/°C | | Test Current I _{ZTC} |
|-------------|---------------|---------------------------------|---------|---------|-----------------|----------------------------------|----------------------------------|-----------------|-------------------------|-----------------|---|-----|-------------------------------|
| | | V _Z @I _{ZT} | | | I _{ZT} | Z _{ZT} @I _{ZT} | Z _{ZK} @I _{ZK} | I _{ZK} | I _R | @V _R | Min | Max | mA |
| | | Nom (V) | Min (V) | Max (V) | mA | Ω | | mA | uA | V | | | |
| BZT52C5V1 | W8 | 5.1 | 4.8 | 5.4 | 5 | 60 | 480 | 1 | 2 | 2 | -2.7 | 1.2 | 5 |
| BZT52C5V6 | W9 | 5.6 | 5.2 | 6 | 5 | 40 | 400 | 1 | 1 | 2 | -2 | 2.5 | 5 |

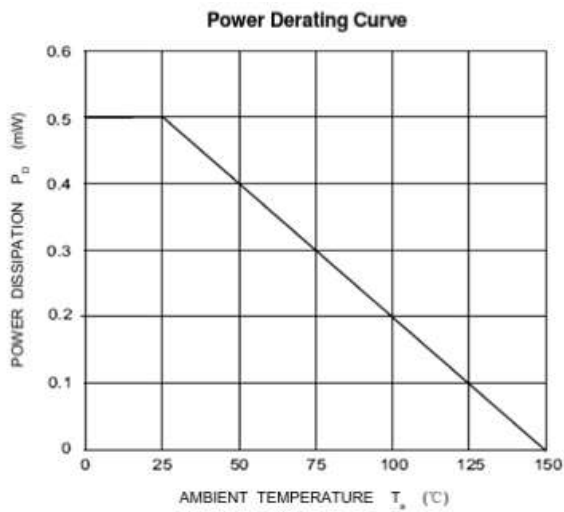
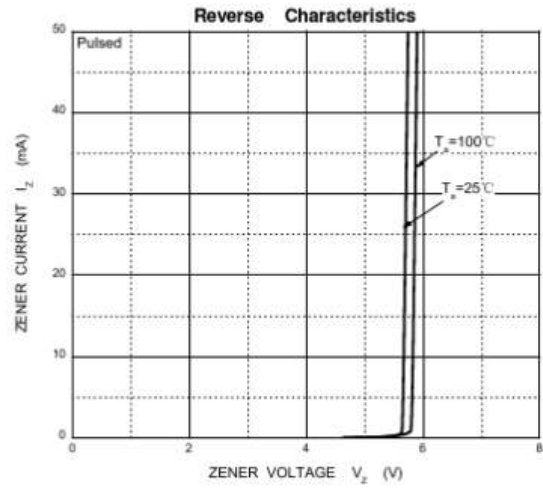
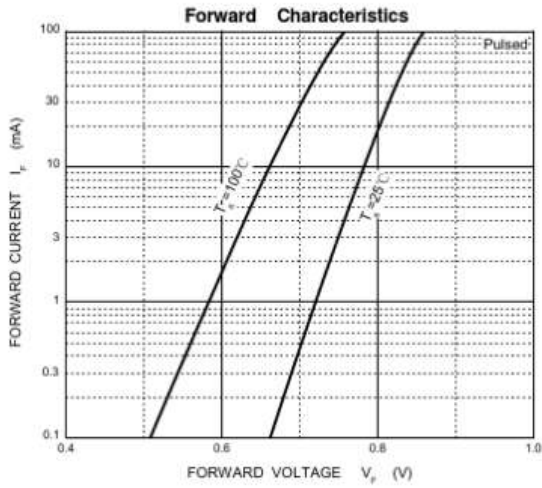
热特性 THERMAL CHARACTERISTICS

| 项 目 Parameter | 符 号 Symbol | 数 值 Value | 单 位 Unit |
|---|------------------|--------------|-------------|
| 结到环境的热阻 Thermal Resistance Junction to Ambient | R _{θJA} | 305 | °C/W |



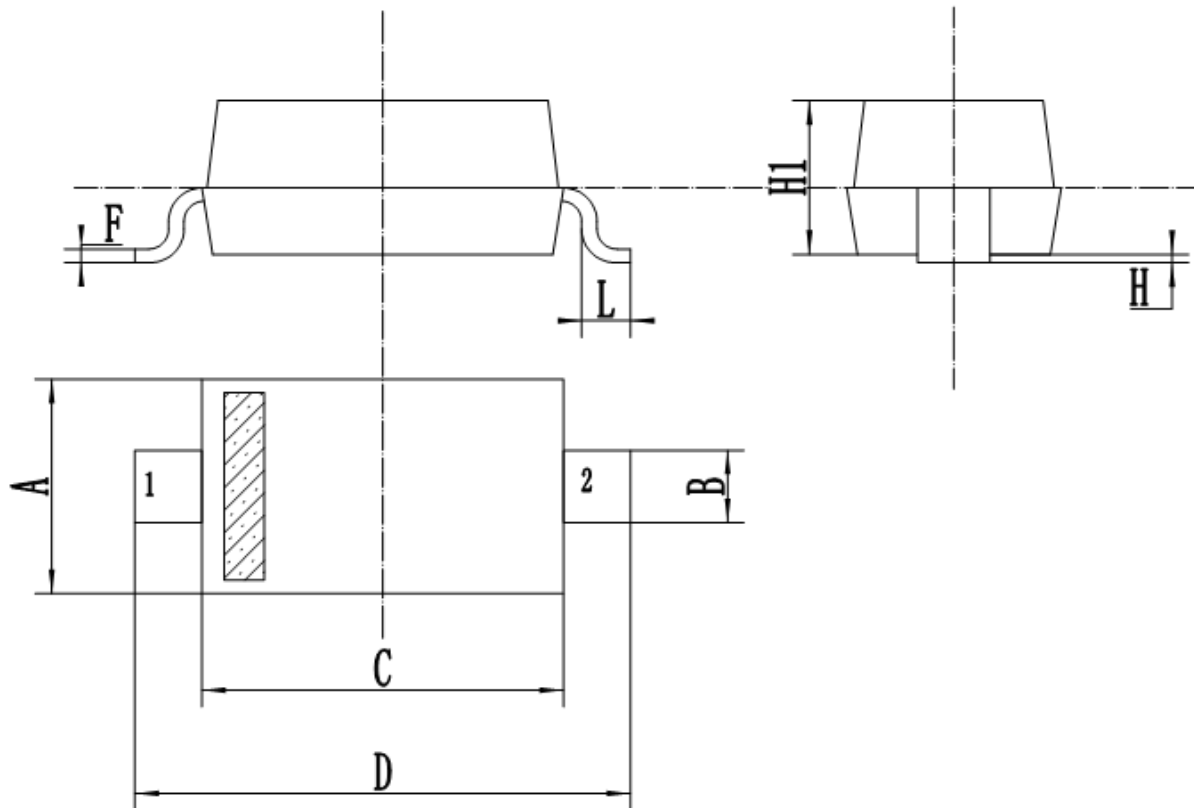


特征曲线 ELECTRICAL CHARACTERISTICS (curves)-BZT52C5V6





外形尺寸 PACKAGE MECHANICAL DATA



| SYMBOL | mm | |
|--------|------|------|
| | MIN | MAX |
| A | 1.50 | 1.80 |
| B | 0.45 | 0.70 |
| C | 2.50 | 2.80 |
| D | 3.45 | 3.95 |
| F | 0.05 | 0.15 |
| L | 0.20 | 0.50 |
| H | 0.01 | 0.20 |
| H1 | 0.90 | 1.30 |





注意事项

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