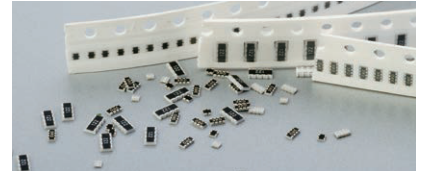
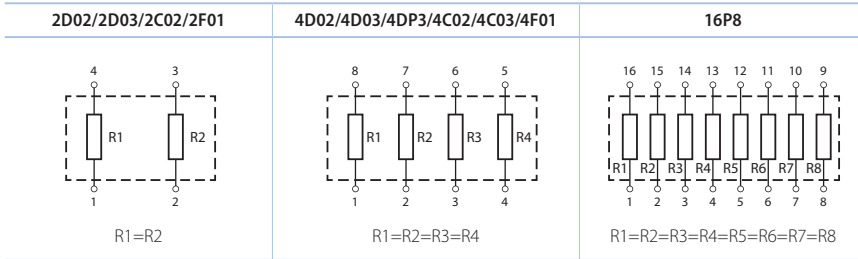


### Feature (特性)

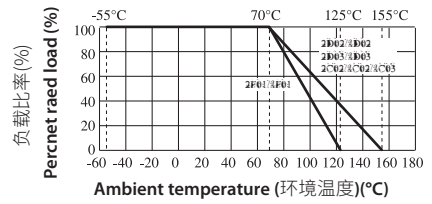
- High density, more than 1 resistors in one small case 高度密集, 多个电阻在一个表贴封装中
- Improvement of placement efficiency 装配效率高
- Tape/Reel packaging is suitable for automatic placement machine 编带卷装适合自动化机器
- Superior solderability 优越焊锡性
- Application: Master board, CD & DVD Rom, Hard Disk, RAM  
应用于 CD、DVD、硬盘、内存、主板等
- AEC-Q200 Qualified



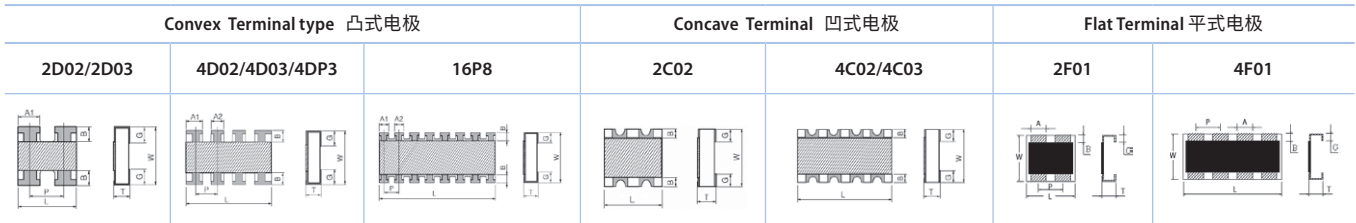
### Equivalent Circuit Diagram (等效电路图)



### Derating Curve (降功率曲线)



### Dimensions in mm (外观尺寸)



\*The 16P8 series of Anti-sulfuration products are available in particular.  
\*16P8 系列抗硫化产品可特别提供

| Type 类型          | Dimensions 尺寸 (mm) |           |           |           |           |           |           |           |
|------------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                  | L                  | W         | T         | A1        | A2        | B         | P         | G         |
| 2D02 0402*2      | 1.00±0.10          | 1.00±0.10 | 0.35±0.10 | 0.33±0.10 | /         | 0.15±0.05 | 0.65±0.05 | 0.25±0.10 |
| 4D02 0402*4      | 2.00±0.10          | 1.00±0.10 | 0.45±0.10 | 0.40±0.05 | 0.30±0.05 | 0.20±0.15 | 0.50±0.05 | 0.30±0.15 |
| 2D03 0603*2      | 1.60±0.15          | 1.60±0.15 | 0.50±0.10 | 0.60±0.15 | /         | 0.30±0.10 | 0.80±0.05 | 0.25±0.10 |
| 4D03/4DP3 0603*4 | 3.20±0.20          | 1.60±0.20 | 0.50±0.10 | 0.65±0.15 | 0.50±0.15 | 0.30±0.15 | 0.80±0.10 | 0.30±0.15 |
| 16P8             | 4.00±0.20          | 1.60±0.15 | 0.45±0.10 | 0.45±0.05 | 0.30±0.05 | 0.30±0.15 | 0.50±0.05 | 0.40±0.15 |
| 2C02 0402*2      | 1.00±0.10          | 1.00±0.10 | 0.35±0.10 | /         | /         | 0.15±0.10 | /         | 0.30±0.10 |
| 4C02 0402*4      | 2.00±0.10          | 1.00±0.10 | 0.45±0.10 | /         | /         | 0.15±0.10 | /         | 0.30±0.10 |
| 4C03 0603*4      | 3.20±0.20          | 1.60±0.20 | 0.60±0.10 | /         | /         | 0.30±0.20 | /         | 0.40±0.10 |
| 2F01 0201*2      | 0.80±0.10          | 0.60±0.10 | 0.35±0.10 | 0.30±0.10 | /         | 0.15±0.10 | 0.50±0.05 | 0.15±0.10 |
| 4F01 0201*4      | 1.40±0.10          | 0.60±0.10 | 0.35±0.10 | 0.20±0.10 | /         | 0.15±0.10 | 0.40±0.05 | 0.15±0.10 |

### Ratings (规格)

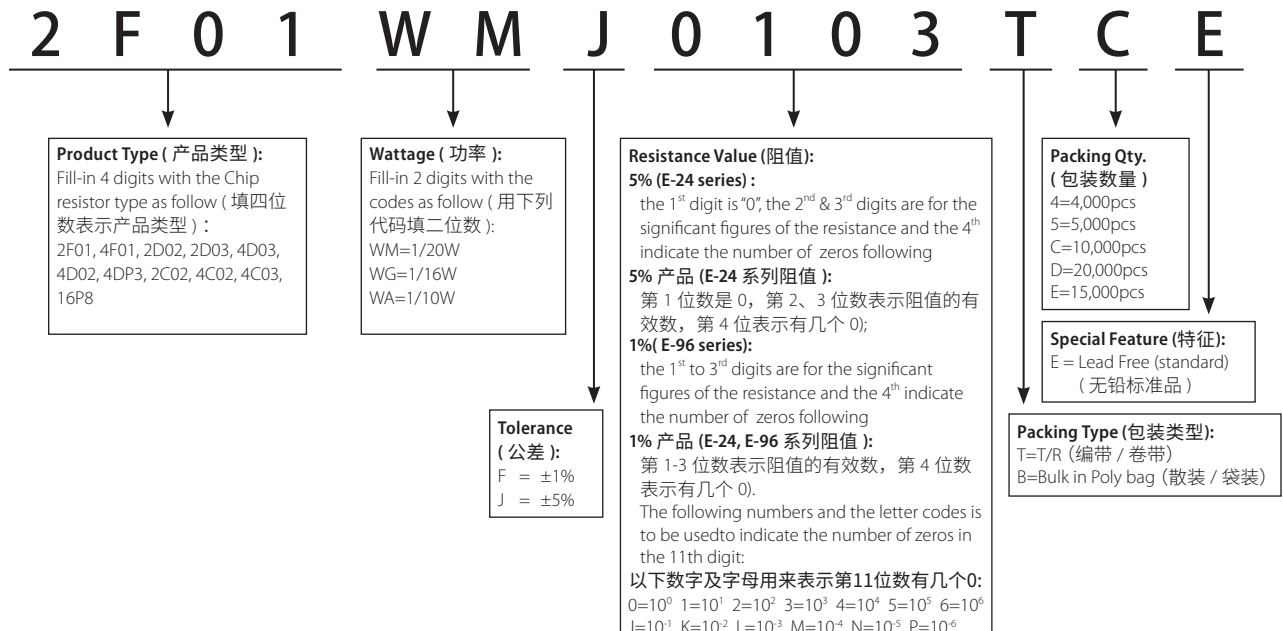
| Type<br>类型 | Power Rating<br>额定功率 | Max Working Voltage<br>最大工作电压 | Max Overload Voltage<br>最大过负荷电压 | Dielectric Withstanding Voltage<br>绝缘耐压 | Resistance Range<br>阻值范围<br>±5%, ±1% | Temperature Coefficient<br>温度系数 PPM/°C | Operating Temperature<br>工作温度范围 | Resistance Value of Jumper<br>零欧姆电阻阻值 | Rated Current of Jumper<br>零欧姆电阻额定电流 |
|------------|----------------------|-------------------------------|---------------------------------|---|--------------------------------------|--|---------------------------------|---------------------------------------|--------------------------------------|
| 2D02       | 1/16W                | 50V                           | 100V                            | 100V                                    | 10Ω~1MΩ                              | ±200                                   |                                 |                                       |                                      |
| 4D02       | 1/16W                | 50V                           | 100V                            | 100V                                    | 10Ω~1MΩ                              | ±200                                   |                                 |                                       |                                      |
| 2D03       | 1/16W                | 50V                           | 100V                            | 100V                                    | 10Ω~1MΩ                              | ±200                                   |                                 |                                       |                                      |
| 4D03       | 1/16W                | 50V                           | 100V                            | 300V                                    | 1Ω~1MΩ                               | ≥10Ω±200<br><10Ω±400                   |                                 |                                       |                                      |
| 4DP3       | 1/10W                | 50V                           | 100V                            | 300V                                    | 1Ω~1MΩ                               | ≥10Ω±200<br><10Ω±400                   | -55°C~+155°C                    | <50mΩ                                 | 1A                                   |
| 16P8       | 1/16W                | 50V                           | 100V                            | 300V                                    | 1Ω~1MΩ                               | ≥10Ω±200<br><10Ω±400                   |                                 |                                       |                                      |
| 2C02       | 1/16W                | 50V                           | 100V                            | 100V                                    | 10Ω~1MΩ                              | ±200                                   |                                 |                                       |                                      |
| 4C02       | 1/16W                | 50V                           | 100V                            | 100V                                    | 10Ω~1MΩ                              | ±200                                   |                                 |                                       |                                      |
| 4C03       | 1/10W                | 50V                           | 100V                            | 300V                                    | 1Ω~1MΩ                               | ≥10Ω±200<br><10Ω±400                   |                                 |                                       |                                      |
| 2F01       | 1/20W                | 12.5V                         | 25V                             | /                                       | 10Ω~1MΩ                              | ±200                                   | -55°C~+125°C                    | <50mΩ                                 | 1A                                   |
| 4F01       | 1/20W                | 12.5V                         | 25V                             | /                                       | 10Ω~1MΩ                              | ±200                                   |                                 |                                       |                                      |

### Performance Specification (性能)

|   |        |   |
|---|--------|---|
| Short-time overload<br>短时间过负荷           | 短时间过负荷 | ±(2.0%±0.1Ω)<br>2F01: 1%: ±(1%+0.05Ω), 5%: ±(2%+0.05Ω)  |
| Insulation Resistance<br>绝缘电阻           | 绝缘电阻   | ≥1000MΩ   |
| Dielectric withstanding voltage<br>绝缘耐压 | 绝缘耐压   | No evidence of flashover mechanical damage, arcing or insulation break down.<br>无击穿, 飞弧及可见机械性损伤 |
| Terminal bending<br>端子弯曲                | 端子弯曲   | ±(1.0%±0.05Ω)   |
| Soldering heat<br>耐焊接热                  | 耐焊接热   | ΔR/R ≤ ±(1.0%+0.05Ω)  |
| Solderability<br>可焊性                    | 可焊性    | Coverage must be over 95%.  |
| Rapid change of temperature<br>温度快速变化   | 温度快速变化 | ΔR/R ≤ ±(1.0%+0.05Ω)<br>2F01: 1%: ±(0.5%+0.05Ω), 5%: ±(1%+0.05Ω)                                |
| Load life in humidity<br>湿度寿命           | 湿度寿命   | ±(3.0%±0.1Ω)<br>2F01: 1%: ±(2%+0.1Ω), 5%: ±(3.0%±0.1Ω)  |
| Load life<br>负载寿命                       | 负载寿命   | ±(3.0%±0.1Ω)<br>2F01: 1%: ±(2%+0.1Ω), 5%: ±(3.0%±0.1Ω)  |

### Ordering Procedure (Example: 2F01 1/20W ±5% 10K T/R-10000)

订购方式 (例如: 2F01 1/20W ±5% 10K T/R-10000)



Remark: For more details, please check page 152, Part No. System. 注: 更多细节详见 P152 标准料号系统。