**IEC E-24**、**E-96** 系列电阻值对照表

# 贴片电阻特性参数简介：

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 封装 | 额定功率 | 最高额定电压 | 最高过负荷电  压 | T.C.R  （ppm/  ℃)温度  系数 | 阻值范围 | | | | 0Ω  额定电流 | | 0Ω  阻值 | |
| B（±0.1%）  E24、E96 | D（±0.5%）  E24、E96 | F（±1%）  E24、E96 | J（±5%）  E24、E96 | J  （±5%） | F  （±1%） | J  （±5%） | F  （±1%） |
| 0201 | 1/20W | 25V | 50V | -200  +400 | / | 1Ω≤R＜10Ω | 1Ω≤R＜10Ω | 1Ω≤R＜10Ω | 0.5A | 0.5A | 50mΩ MAX | 20mΩ MAX |
| ±200 | / | 10Ω≤R＜10MΩ | 10Ω≤R＜10MΩ | 10Ω≤R＜10MΩ |
| 0402 | 1/16W | 50V | 100V | ±100 | 100Ω≤R＜1MΩ | 10Ω≤R＜1MΩ | 10Ω≤R＜1MΩ | 10Ω≤R＜1MΩ | 1A | 1.5A | 50mΩ MAX | 20mΩ MAX |
| ±200 | / | / | 1Ω≤R＜10Ω  1MΩ＜R≤10MΩ | 1Ω≤R＜10Ω  1MΩ＜R≤10MΩ |
| 0603 | 1/10W | 75V | 150V | ±100 | 100Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | / | 1A | 2A | 50mΩ MAX | 20mΩ MAX |
| ±200 | / | 1Ω≤R＜10Ω | 1Ω≤R＜10Ω  1MΩ＜R≤10MΩ | 1Ω≤R≤20MΩ |
| 0805 | 1/8W | 150V | 300V | ±100 | 100Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | / | 2A | 2.5A | 50mΩ MAX | 20mΩ MAX |
| ±200 | / | 1Ω≤R＜10Ω | 1Ω≤R＜10Ω  1MΩ＜R≤10MΩ | 1Ω≤R≤20MΩ |
| 1206 | 1/4W | 200V | 400V | ±100 | 100Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | / | 2A | 3.5A | 50mΩ MAX | 20mΩ MAX |
| ±200 | / | 1Ω≤R＜10Ω | 1Ω≤R＜10Ω  1MΩ＜R≤10MΩ | 1Ω≤R≤20MΩ |
| 1210 | 1/2W | 200V | 400V | ±100 | 100Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | / | 2A | 4A | 50mΩ MAX | 20mΩ MAX |
| ±200 | / | / | 1M＜R≤10MΩ | 10Ω≤R≤20MΩ |
| ±400 | / | / | 1Ω≤R＜10Ω | 1Ω≤R＜10Ω |
| 2010 | 3/4W | 200V | 400V | ±100 | 100Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | / | 2A | 5A | 50mΩ MAX | 20mΩ MAX |
| ±200 |  |  |  | 10Ω≤R≤10MΩ |
| ±400 | / | / | 1Ω≤R＜10Ω | 1Ω≤R＜10Ω |
| 2512 | 1W | 200V | 400V | ±100 | 100Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | 10Ω≤R≤1MΩ | / | 2A | 7A | 50mΩ MAX | 20mΩ MAX |
| ±200 |  |  |  | 10Ω≤R≤10MΩ |
| ±400 | / | / | 1Ω≤R＜10Ω | 1Ω≤R＜10Ω |

标称阻值表：

E-24 系列（×10nΩ）

(单位 unit：1Ω、10Ω、100Ω、1KΩ、10KΩ、100KΩ、1MΩ、10MΩ)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1.0 | 1.5 | 2.2 | 3.3 | 4.7 | 6.8 |
| 1.1 | 1.6 | 2.4 | 3.6 | 5.1 | 7.5 |
| 1.2 | 1.8 | 2.7 | 3.9 | 5.6 | 8.2 |
| 1.3 | 2.0 | 3.0 | 4.3 | 6.2 | 9.1 |

E-96 系列(×10nΩ)

(单位：1Ω、10Ω、100Ω、1KΩ、10KΩ、100KΩ、1MΩ、10MΩ)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1.00 | 1.15 | 1.33 | 1.54 | 1.78 | 2.05 | 2.37 | 2.74 | 3.16 | 3.65 | 4.22 | 4.87 | 5.62 | 6.49 | 7.50 | 8.66 |
| 1.02 | 1.18 | 1.37 | 1.58 | 1.82 | 2.10 | 2.43 | 2.80 | 3.24 | 3.74 | 4.32 | 4.99 | 5.76 | 6.65 | 7.68 | 8.87 |
| 1.05 | 1.21 | 1.40 | 1.62 | 1.87 | 2.15 | 2.49 | 2.87 | 3.32 | 3.83 | 4.42 | 5.11 | 5.90 | 6.81 | 7.87 | 9.09 |
| 1.07 | 1.24 | 1.43 | 1.65 | 1.91 | 2.21 | 2.55 | 2.94 | 3.40 | 3.92 | 4.53 | 5.23 | 6.04 | 6.98 | 8.06 | 9.31 |
| 1.10 | 1.27 | 1.47 | 1.69 | 1.96 | 2.26 | 2.61 | 3.01 | 3.48 | 4.02 | 4.64 | 5.36 | 6.19 | 7.15 | 8.25 | 9.53 |
| 1.13 | 1.30 | 1.50 | 1.74 | 2.00 | 2.32 | 2.67 | 3.09 | 3.57 | 4.12 | 4.75 | 5.49 | 6.34 | 7.32 | 8.45 | 9.76 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 乘数Multiplied | ×100 | ×101 | ×102 | ×103 | ×104 | ×105 | ×106 | ×107 | ×10-1 | ×10-2 |
| 代码 Code | A | B | C | D | E | F | G | H | X | Y |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 代码Code | E-96 系列电阻E-96Resistance | 代码Code | E-96 系列电阻E-96Resistance | 代码Code | E-96 系列电阻E-96Resistance | 代码Code | E-96 系列电阻E-96Resistance |
| 01 | 100 | 25 | 178 | 49 | 316 | 73 | 562 |
| 02 | 102 | 26 | 182 | 50 | 324 | 74 | 576 |
| 03 | 105 | 27 | 187 | 51 | 332 | 75 | 590 |
| 04 | 107 | 28 | 191 | 52 | 340 | 76 | 604 |
| 05 | 110 | 29 | 196 | 53 | 348 | 77 | 619 |
| 06 | 113 | 30 | 200 | 54 | 357 | 78 | 634 |
| 07 | 115 | 31 | 205 | 55 | 365 | 79 | 649 |
| 08 | 118 | 32 | 210 | 56 | 374 | 80 | 665 |
| 09 | 121 | 33 | 215 | 57 | 383 | 81 | 681 |
| 10 | 124 | 34 | 221 | 58 | 392 | 82 | 698 |
| 11 | 127 | 35 | 226 | 59 | 402 | 83 | 715 |
| 12 | 130 | 36 | 232 | 60 | 412 | 84 | 732 |
| 13 | 133 | 37 | 237 | 61 | 422 | 85 | 750 |
| 14 | 137 | 38 | 243 | 62 | 432 | 86 | 768 |
| 15 | 140 | 39 | 249 | 63 | 442 | 87 | 787 |
| 16 | 143 | 40 | 255 | 64 | 453 | 88 | 806 |
| 17 | 147 | 41 | 261 | 65 | 464 | 89 | 825 |
| 18 | 150 | 42 | 267 | 66 | 475 | 90 | 845 |
| 19 | 154 | 43 | 274 | 67 | 487 | 91 | 866 |
| 20 | 158 | 44 | 280 | 68 | 499 | 92 | 887 |
| 21 | 162 | 45 | 287 | 69 | 511 | 93 | 909 |
| 22 | 165 | 46 | 294 | 70 | 523 | 94 | 931 |
| 23 | 169 | 47 | 301 | 71 | 536 | 95 | 953 |
| 24 | 174 | 48 | 309 | 72 | 549 | 96 | 976 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| R-LOW ohm R＜1Ω 注：空白处为未能生产的阻值 | | | | | | | | | | | | | | |
| 封装 | 0402 | | 0603 | | 0805 | | 1206 | | 1210 | | 2010 | | 2512 | |
| 精度 | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） |
| 0.01Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.011Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.012Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.013Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.015Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.016Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.018Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.02Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.022Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.024Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.027Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.03Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.033Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.036Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.039Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.043Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.047Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.051Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.056Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.062Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.068Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.075Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.082Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.091Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.1Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.11Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.12Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.13Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.15Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.16Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.18Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.20Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.22Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.24Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.27Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.3Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.33Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.36Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.39Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.43Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.47Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

# R＜1Ω阻值表：

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 封装 | 0402 | | 0603 | | 0805 | | 1206 | | 1210 | | 2010 | | 2512 | |
| 精度 | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） | J（±5%） | F（±1%） |
| 0.56Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.62Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.68Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.75Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.82Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 0.91Ω |  |  |  |  |  |  |  |  |  |  |  |  |  |  |