



**0201 / 0402 / 0603 / 0805 / 1206 / 1210 / 2010 / 2512 Surface Mount
1% and 5% Thick Film Chip Resistors (Cont.)**



MCR25 5%, 1/4 Watt — 1210 Series Resistor Values – RoHS Compliant

| | | | | | | | | | | | | | | | |
|-----|-----|-----|----|-----|-----|-----|------|------|------|-----|------|------|------|------|------|
| 0.0 | 2.7 | 6.8 | 20 | 51 | 130 | 360 | 910 | 2.4K | 6.2K | 16K | 43K | 110K | 300K | 750K | 2.0M |
| 1.1 | 3.0 | 7.5 | 22 | 56 | 150 | 390 | 1.0K | 2.7K | 6.8K | 18K | 47K | 120K | 330K | 820K | 2.2M |
| 1.2 | 3.3 | 8.2 | 24 | 62 | 160 | 430 | 1.1K | 3.0K | 7.5K | 20K | 51K | 130K | 360K | 910K | 2.4M |
| 1.3 | 3.6 | 10 | 27 | 68 | 180 | 470 | 1.2K | 3.3K | 8.2K | 22K | 56K | 150K | 390K | 1.0M | 2.7M |
| 1.5 | 3.9 | 11 | 30 | 75 | 200 | 510 | 1.3K | 3.6K | 9.1K | 24K | 62K | 160K | 430K | 1.1M | 3.0M |
| 1.6 | 4.3 | 12 | 33 | 82 | 220 | 560 | 1.5K | 3.9K | 10K | 27K | 68K | 180K | 470K | 1.2M | 3.3M |
| 1.8 | 4.7 | 13 | 36 | 91 | 240 | 620 | 1.6K | 4.3K | 11K | 30K | 75K | 200K | 510K | 1.3M | 3.6M |
| 2.0 | 5.1 | 15 | 39 | 100 | 270 | 680 | 1.8K | 4.7K | 12K | 33K | 82K | 220K | 560K | 1.5M | 3.9M |
| 2.2 | 5.6 | 16 | 43 | 110 | 300 | 750 | 2.0K | 5.1K | 13K | 36K | 91K | 240K | 620K | 1.6M | 4.3M |
| 2.4 | 6.2 | 18 | 47 | 120 | 330 | 820 | 2.2K | 5.6K | 15K | 39K | 100K | 270K | 680K | 1.8M | 4.7M |

| Description | Value Range (Ω) | Rated Power @70°C | Dimensions – mm | | | | Digi-Key Part No.† | Cut Tape Pricing | | | Digi-Key Part No.† | Tape & Reel Pricing 4,000 | RoHM Part No. |
|--------------------|-----------------|-------------------|-----------------|-----|------|-----|--------------------|------------------|------|-------|--------------------|---------------------------|---------------|
| | | | W | L | T | tb | | 10 | 50 | 200 | | | |
| 5%, 1210, 1/4 Watt | 0.0 – 4.7M | 0.25W | 2.5 | 3.2 | 0.55 | 0.5 | RHM(Value)BECT-ND | 2.05 | 5.52 | 12.67 | RHM(Value)BETR-ND | 35.10/M | MCR25JZHJxxxx |

† For complete part number, substitute value from Resistor Value Chart for (Value).

MCR25 1%, 1/2 Watt — 1210 Series Low Ohmic Resistor Values – RoHS Compliant

| | | | | | | | | | | |
|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| .047 | .062 | .082 | .11 | .15 | .20 | .27 | .36 | .47 | .62 | .82 |
| .051 | .068 | .091 | .12 | .16 | .22 | .30 | .39 | .51 | .68 | .91 |
| .056 | .075 | .10 | .13 | .18 | .24 | .33 | .43 | .56 | .75 | |

| Description | Value Range (Ω) | Rated Power @70°C | Dimensions – mm | | | | Digi-Key Part No.† | Cut Tape Pricing | | | Digi-Key Part No.† | Tape & Reel Pricing 4,000 | RoHM Part No. |
|--------------------|-----------------|-------------------|-----------------|-----|------|-----|--------------------|------------------|-------|-------|--------------------|---------------------------|----------------|
| | | | W | L | T | tb | | 10 | 50 | 200 | | | |
| 1%, 1210, 1/2 Watt | .047 – .091 | 0.5W | 2.5 | 3.2 | 0.55 | 0.5 | RHM(Value)TCT-ND | 5.33 | 18.88 | 62.20 | RHM(Value)TTR-ND | 205.81/M | MCR25JZHFSxxxx |
| 1%, 2010, 1/2 Watt | .10 – .91 | 0.5W | 2.5 | 3.2 | 0.55 | 0.5 | RHM(Value)SCT-ND | 1.63 | 5.77 | 19.00 | RHM(Value)STR-ND | 57.66/M | MCR25JZHLxxxx |

† For complete part number, substitute value from Resistor Value Chart for (Value).

MCR50 1%, 1/2 Watt — 2010 Series Low Ohmic Resistor Values – RoHS Compliant

| | | | | | | | | | | | | | | | | |
|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| .047 | .056 | .068 | .082 | .10 | .12 | .15 | .18 | .22 | .25 | .30 | .36 | .43 | .51 | .62 | .75 | .91 |
| .051 | .062 | .075 | .091 | .11 | .13 | .16 | .20 | .24 | .27 | .33 | .39 | .47 | .56 | .68 | .82 | |

| Description | Value Range (Ω) | Rated Power @70°C | Dimensions – mm | | | | Digi-Key Part No.† | Cut Tape Pricing | | | Digi-Key Part No.† | Tape & Reel Pricing 4,000 | RoHM Part No. |
|--------------------|-----------------|-------------------|-----------------|-----|------|-----|--------------------|------------------|-------|-------|--------------------|---------------------------|----------------|
| | | | W | L | T | tb | | 10 | 50 | 200 | | | |
| 1%, 2010, 1/2 Watt | .047 – .091 | 0.5W | 2.5 | 5.0 | 0.55 | 0.6 | RHM(Value)VCT-ND | 5.17 | 18.29 | 60.26 | RHM(Value)VTR-ND | 198.60/M | MCR50JZHFSxxxx |
| 1%, 2010, 1/2 Watt | .10 – .91 | 0.5W | 2.5 | 5.0 | 0.55 | 0.6 | RHM(Value)UCT-ND | 4.44 | 15.75 | 51.88 | RHM(Value)UTR-ND | 170.57/M | MCR50JZHLxxxx |

† For complete part number, substitute value from Resistor Value Chart for (Value).

MCR50 1%, 1/2 Watt — 2010 Series Resistor Values – RoHS Compliant

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|-----|-----|-----|-----|-------|-------|-------|-------|-------|-------|-------|------|
| 10.0 | 16.2 | 27.4 | 46.4 | 69.8 | 110 | 200 | 324 | 475 | 825 | 1.43K | 2.49K | 4.42K | 7.50K | 14.3K | 45.3K | 143K |
| 10.5 | 17.8 | 28.7 | 47.0 | 71.5 | 113 | 205 | 332 | 499 | 866 | 1.50K | 2.55K | 4.53K | 8.06K | 15.0K | 47.5K | 147K |
| 10.7 | 18.2 | 29.4 | 47.5 | 73.2 | 115 | 210 | 340 | 511 | 887 | 1.54K | 2.74K | 4.75K | 8.25K | 15.5K | 49.9K | 150K |
| 11.0 | 19.1 | 30.1 | 49.9 | 75.0 | 121 | 221 | 348 | 536 | 909 | 1.58K | 2.80K | 4.87K | 8.45K | 16.0K | 52.0K | 162K |
| 11.3 | 20.0 | 31.6 | 51.1 | 76.8 | 124 | 226 | 357 | 562 | 931 | 1.62K | 2.94K | 4.99K | 8.66K | 20.5K | 56.2K | 169K |
| 12.1 | 20.5 | 32.4 | 52.3 | 78.7 | 127 | 232 | 365 | 590 | 976 | 1.65K | 3.01K | 5.23K | 9.09K | 22.1K | 60.4K | 178K |
| 12.4 | 21.0 | 33.2 | 53.6 | 80.6 | 130 | 243 | 374 | 604 | 1.00K | 1.69K | 3.24K | 5.36K | 9.53K | 24.3K | 61.9K | 200K |
| 12.7 | 21.5 | 34.8 | 56.2 | 82.5 | 143 | 249 | 383 | 634 | 1.07K | 1.74K | 3.32K | 5.62K | 9.76K | 24.9K | 68.8K | |
| 13.0 | 22.1 | 36.5 | 57.6 | 86.6 | 150 | 255 | 393 | 680 | 1.21K | 1.78K | 3.57K | 5.76K | 10.0K | 27.4K | 69.8K | |
| 13.3 | 23.7 | 37.4 | 59.0 | 90.9 | 162 | 261 | 402 | 681 | 1.24K | 1.82K | 3.65K | 5.90K | 10.7K | 30.1K | 75.0K | |
| 13.7 | 24.9 | 39.2 | 61.9 | 93.1 | 169 | 267 | 412 | 715 | 1.27K | 2.00K | 3.83K | 6.04K | 11.0K | 36.5K | 100K | |
| 14.0 | 24.9 | 40.2 | 61.9 | 95.3 | 174 | 274 | 422 | 732 | 1.30K | 2.10K | 3.92K | 6.19K | 12.1K | 37.4K | 110K | |
| 14.3 | 25.5 | 42.2 | 64.9 | 100 | 178 | 301 | 432 | 750 | 1.33K | 2.21K | 4.02K | 6.34K | 12.7K | 38.3K | 124K | |
| 14.7 | 26.1 | 43.2 | 66.5 | 105 | 182 | 309 | 442 | 787 | 1.37K | 2.32K | 4.22K | 6.65K | 13.0K | 40.2K | 130K | |
| 15.0 | 26.7 | 45.3 | 68.1 | 107 | 187 | 316 | 453 | 806 | 1.40K | 2.43K | 4.32K | 6.81K | 14.0K | 43.2K | 140K | |



| Description | Value Range (Ω) | Rated Power @70°C | Dimensions – mm | | | | Digi-Key Part No.† | Cut Tape Pricing | | | Digi-Key Part No.† | Tape & Reel Pricing 4,000 | RoHM Part No. |
|--------------------|-----------------|-------------------|-----------------|-----|------|-----|--------------------|------------------|-------|-------|--------------------|---------------------------|----------------|
| | | | W | L | T | tb | | 10 | 50 | 200 | | | |
| 1%, 2010, 1/2 Watt | 10.0 – 200K | 0.5W | 2.5 | 5.0 | 0.55 | 0.6 | RHM(Value)BFCT-ND | 5.00 | 13.45 | 30.90 | RHM(Value)BFTR-ND | 99.46/M | MCR50JZHFSxxxx |

† For complete part number, substitute value from Resistor Value Chart for (Value).

MCR50 5%, 1/2 Watt — 2010 Series Resistor Values – RoHS Compliant

| | | | | | | | | | | | | | | | | | |
|-----|-----|-----|----|----|----|-----|-----|-----|------|------|------|-----|-----|-----|------|------|------|
| 0.0 | 2.0 | 4.7 | 10 | 22 | 47 | 100 | 220 | 470 | 1.0K | 2.2K | 4.7K | 10K | 22K | 47K | 100K | 220K | 470K |
| 1.0 | 2.2 | 5.1 | 11 | 24 | 51 | 110 | 240 | 510 | 1.1K | 2.4K | 5.1K | 11K | 24K | 51K | 110K | 240K | 510K |
| 1.1 | 2.4 | 5.6 | 12 | 27 | 56 | 120 | 270 | 560 | 1.2K | 2.7K | 5.6K | 12K | 27K | 56K | 120K | 270K | 560K |
| 1.2 | 2.7 | 6.2 | 13 | 30 | 62 | 130 | 300 | 620 | 1.3K | 3.0K | 6.2K | 13K | 30K | 62K | 130K | 300K | |
| 1.3 | 3.0 | 6.8 | 15 | 33 | 68 | 150 | 330 | 680 | 1.5K | 3.3K | 6.8K | 15K | 33K | 68K | 150K | 330K | |
| 1.5 | 3.3 | 7.5 | 16 | 36 | 75 | 160 | 360 | 750 | 1.6K | 3.6K | 7.5K | 16K | 36K | 75K | 160K | 360K | |
| 1.6 | 3.9 | 8.2 | 18 | 39 | 82 | 180 | 390 | 820 | 1.8K | 3.9K | 8.2K | 18K | 39K | 82K | 180K | 390K | |
| 1.8 | 4.3 | 9.1 | 20 | 43 | 91 | 200 | 430 | 910 | 2.0K | 4.3K | 9.1K | 20K | 43K | 91K | 200K | 430K | |

| Description | Value Range (Ω) | Rated Power @70°C | Dimensions – mm | | | | Digi-Key Part No.† | Cut Tape Pricing | | | Digi-Key Part No.† | Tape & Reel Pricing 4,000 | RoHM Part No. |
|--------------------|-----------------|-------------------|-----------------|-----|------|-----|--------------------|------------------|------|-------|--------------------|---------------------------|---------------|
| | | | W | L | T | tb | | 10 | 50 | 200 | | | |
| 5%, 2010, 1/2 Watt | 0.0 – 560K | 0.5W | 2.5 | 5.0 | 0.55 | 0.6 | RHM(Value)BGCT-ND | 2.34 | 6.29 | 14.46 | RHM(Value)BGTR-ND | 41.45/M | MCR50JZHJxxxx |

† For complete part number, substitute value from Resistor Value Chart for (Value).

MCR100 1%, 1 Watt — 2512 Series Low Ohmic Resistor Values – RoHS Compliant

| | | | | | | | | | | | | | | | |
|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| .047 | .056 | .068 | .082 | .10 | .12 | .15 | .18 | .22 | .27 | .33 | .39 | .47 | .56 | .68 | .82 |
| .051 | .062 | .075 | .091 | .11 | .13 | .16 | .20 | .24 | .30 | .36 | .43 | .51 | .62 | .75 | .91 |

| Description | Value Range (Ω) | Rated Power @70°C | Dimensions – mm | | | | Digi-Key Part No.† | Cut Tape Pricing | | | Digi-Key Part No.† | Tape & Reel Pricing 4,000 | RoHM Part No. |
|------------------|-----------------|-------------------|-----------------|-----|------|-----|--------------------|------------------|-------|--------|--------------------|---------------------------|-----------------|
| | | | W | L | T | tb | | 10 | 50 | 200 | | | |
| 1%, 2512, 1 Watt | .047 – .091 | 1W | 3.2 | 6.3 | 0.55 | 0.6 | RHM(Value)XCT-ND | 9.42 | 33.36 | 109.90 | RHM(Value)XTR-ND | 369.17/M | MCR100JZHFSxxxx |
| 1%, 2512, 1 Watt | .10 – .91 | 1W | 3.2 | 6.3 | 0.55 | 0.6 | RHM(Value)WCT-ND | 7.32 | 25.92 | 85.41 | RHM(Value)WTR-ND | 285.09/M | MCR100JZHLxxxx |

† For complete part number, substitute value from Resistor Value Chart for (Value).

(Continued)

Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

Free shipping on orders over €65! All prices in euro and include duties. (EU2011-EN) 1969