| КСВ | **К-т отражения (по напряжению)** | К-т отражения (по мощности) | К-т отражения, дБ, обратное ослабление, return loss | Потери на отражение, дБ | Входное чисто активное сопротивление в 50 Ом-тракте | Входное чисто активное сопротивление в 50 Ом-тракте |
|---|---|---|---|---|---|---|
| $\frac{1+\lvert\Gamma_U\rvert}{1-\lvert\Gamma_U\rvert}$ | $\lvert S_{11}\rvert=\lvert\Gamma_U\rvert$ | $\Gamma_P=\lvert\Gamma_U\rvert^2$ | $10\lg\lvert S_{11}\rvert^2$ | $10\lg\left(1-\lvert S_{11}\rvert^2\right)$ | $50\,\text{Ом}\cdot\text{КСВ}$ | $50\,\text{Ом}/\text{КСВ}$ |
| 1 | **0** | 0 | $-\infty$ | 0 | 50 | 50 |
| **1.0002** | **0.0001** | **1e-8** | **-80** | -0.43e-7 | **50.01000** | **49.99000** |
| 1.0004 | **0.0002** | 4e-8 | -73.97940 | -0.17e-6 | 50.02000 | 49.98000 |
| 1.0006 | **0.0003** | 9e-8 | -70.45758 | -0.39e-6 | 50.03001 | 49.97001 |
| 1.0008 | **0.0004** | 1.6e-7 | -67.95880 | -0.69e-6 | 50.04002 | 49.96002 |
| 1.0010 | **0.0005** | 2.5e-7 | -66.02060 | -0.11e-5 | 50.05003 | 49.95002 |
| 1.0012 | **0.0006** | 3.6e-7 | -64.43698 | -0.16e-5 | 50.06004 | 49.94004 |
| 1.0014 | **0.0007** | 4.9e-7 | -63.09804 | -0.21e-5 | 50.07005 | 49.93005 |
| 1.0016 | **0.0008** | 6.4e-7 | -61.93820 | -0.28e-5 | 50.08006 | 49.92006 |
| 1.0018 | **0.0009** | 8.1e-7 | -60.91515 | -0.35e-5 | 50.09008 | 49.91008 |
| **1.002** | **0.001** | **1e-6** | **-60** | **-0.43e-5** | **50.100** | **49.900** |
| 1.004 | **0.002** | 4e-6 | -53.979 | -0.17e-4 | 50.200 | 49.800 |
| 1.006 | **0.003** | 9e-6 | -50.458 | -0.39e-4 | 50.301 | 49.701 |
| 1.008 | **0.004** | 1.6e-5 | -47.959 | -0.69e-4 | 50.402 | 49.602 |
| 1.010 | **0.005** | 2.5e-5 | -46.021 | -0.00011 | 50.503 | 49.502 |
| 1.012 | **0.006** | 3.6e-5 | -44.437 | -0.00016 | 50.604 | 49.404 |
| 1.014 | **0.007** | 4.9e-5 | -43.098 | -0.00021 | 50.705 | 49.305 |
| 1.016 | **0.008** | 6.4e-5 | -41.938 | -0.00028 | 50.806 | 49.206 |
| 1.018 | **0.009** | 8.1e-5 | -40.915 | -0.00035 | 50.908 | 49.108 |
| **1.020** | **0.01** | **0.0001** | **-40** | **-0.00043** | **51.010** | **49.010** |
| 1.041 | **0.02** | 0.0004 | -33.979 | -0.002 | 52.041 | 48.039 |
| 1.062 | **0.03** | 0.0009 | -30.458 | -0.004 | 53.093 | 47.087 |
| 1.083 | **0.04** | 0.0016 | -27.959 | -0.007 | 54.167 | 46.154 |
| 1.105 | **0.05** | 0.0025 | -26.021 | -0.011 | 55.263 | 45.238 |
| 1.128 | **0.06** | 0.0036 | -24.437 | -0.016 | 56.383 | 44.340 |
| 1.151 | **0.07** | 0.0049 | -23.098 | -0.021 | 57.527 | 43.458 |
| 1.174 | **0.08** | 0.0064 | -21.938 | -0.028 | 58.696 | 42.593 |
| 1.198 | **0.09** | 0.0081 | -20.915 | -0.035 | 59.890 | 41.743 |
| **1.222** | **0.10** | **0.0100** | **-20** | **-0.044** | **61.111** | **40.909** |
| 1.247 | **0.11** | 0.012 | -19.172 | -0.053 | 62.360 | 40.090 |
| 1.273 | **0.12** | 0.014 | -18.416 | -0.063 | 63.636 | 39.286 |
| 1.299 | **0.13** | 0.017 | -17.721 | -0.074 | 64.943 | 38.496 |
| 1.326 | **0.14** | 0.020 | -17.077 | -0.086 | 66.279 | 37.719 |
| 1.353 | **0.15** | 0.022 | -16.478 | -0.099 | 67.647 | 36.957 |
| 1.381 | **0.16** | 0.026 | -15.918 | -0.113 | 69.048 | 36.207 |
| 1.410 | **0.17** | 0.029 | -15.391 | -0.127 | 70.482 | 35.470 |
| 1.439 | **0.18** | 0.032 | -14.895 | -0.143 | 71.951 | 34.746 |
| 1.469 | **0.19** | 0.036 | -14.425 | -0.160 | 73.457 | 34.034 |
| **1.500** | **0.20** | **0.040** | **-13.979** | **-0.177** | **75.000** | **33.333** |
| 1.532 | **0.21** | 0.044 | -13.556 | -0.196 | 76.582 | 32.645 |
| 1.564 | **0.22** | 0.048 | -13.152 | -0.215 | 78.205 | 31.967 |
| 1.597 | **0.23** | 0.053 | -12.765 | -0.236 | 79.870 | 31.301 |
| 1.632 | **0.24** | 0.058 | -12.396 | -0.258 | 81.579 | 30.645 |
| 1.667 | **0.25** | 0.062 | -12.041 | -0.280 | 83.333 | 30.000 |
| 1.703 | **0.26** | 0.068 | -11.701 | -0.304 | 85.135 | 29.365 |
| 1.740 | **0.27** | 0.073 | -11.373 | -0.329 | 86.986 | 28.740 |
| 1.778 | **0.28** | 0.078 | -11.057 | -0.355 | 88.889 | 28.125 |
| 1.817 | **0.29** | 0.084 | -10.752 | -0.382 | 90.845 | 27.519 |
| 1.857 | **0.30** | 0.090 | -10.458 | -0.410 | 92.857 | 26.923 |
| 1.899 | **0.31** | 0.096 | -10.173 | -0.439 | 94.928 | 26.336 |
| 1.941 | **0.32** | 0.102 | -9.897 | -0.469 | 97.059 | 25.758 |
| 1.985 | **0.33** | 0.109 | -9.630 | -0.501 | 99.254 | 25.188 |
| **2.030** | **0.34** | **0.116** | **-9.370** | **-0.534** | **101.515** | **24.627** |
| 2.077 | **0.35** | 0.122 | -9.119 | -0.568 | 103.846 | 24.074 |
| 2.125 | **0.36** | 0.130 | -8.874 | -0.603 | 106.250 | 23.529 |
| 2.175 | **0.37** | 0.137 | -8.636 | -0.639 | 108.730 | 22.993 |
| 2.226 | **0.38** | 0.144 | -8.404 | -0.677 | 111.290 | 22.464 |
| 2.279 | **0.39** | 0.152 | -8.179 | -0.717 | 113.934 | 21.942 |

| КСВ | **К-т отражения (по напряжению)** | К-т отражения (по мощности) | К-т отражения, дБ, обратное ослабление, return loss | Потери на отражение, дБ | Входное чисто активное сопротивление в 50 Ом-тракте | Входное чисто активное сопротивление в 50 Ом-тракте |
|---|---|---|---|---|---|---|
| 2.333 | **0.40** | 0.160 | -7.959 | -0.757 | 116.667 | 21.429 |
| 2.390 | **0.41** | 0.168 | -7.744 | -0.799 | 119.492 | 20.922 |
| 2.448 | **0.42** | 0.176 | -7.535 | -0.843 | 122.414 | 20.423 |
| 2.509 | **0.43** | 0.185 | -7.331 | -0.888 | 125.439 | 19.930 |
| 2.571 | **0.44** | 0.194 | -7.131 | -0.934 | 128.571 | 19.444 |
| 2.636 | **0.45** | 0.202 | -6.936 | -0.983 | 131.818 | 18.966 |
| 2.704 | **0.46** | 0.212 | -6.745 | -1.033 | 135.185 | 18.493 |
| 2.774 | **0.47** | 0.221 | -6.558 | -1.084 | 138.679 | 18.027 |
| 2.846 | **0.48** | 0.230 | -6.375 | -1.137 | 142.308 | 17.568 |
| 2.922 | **0.49** | 0.240 | -6.196 | -1.192 | 146.078 | 17.114 |
| **3.000** | **0.50** | **0.250** | **-6.021** | **-1.249** | **150.000** | **16.667** |
| 3.082 | **0.51** | 0.260 | -5.849 | -1.308 | 154.082 | 16.225 |
| 3.167 | **0.52** | 0.270 | -5.680 | -1.369 | 158.333 | 15.789 |
| 3.255 | **0.53** | 0.281 | -5.514 | -1.432 | 162.766 | 15.359 |
| 3.348 | **0.54** | 0.292 | -5.352 | -1.497 | 167.391 | 14.935 |
| 3.444 | **0.55** | 0.302 | -5.193 | -1.565 | 172.222 | 14.516 |
| 3.545 | **0.56** | 0.314 | -5.036 | -1.634 | 177.273 | 14.103 |
| 3.651 | **0.57** | 0.325 | -4.883 | -1.706 | 182.558 | 13.694 |
| 3.762 | **0.58** | 0.336 | -4.731 | -1.781 | 188.095 | 13.291 |
| 3.878 | **0.59** | 0.348 | -4.583 | -1.858 | 193.902 | 12.893 |
| **4.000** | **0.60** | **0.360** | **-4.437** | **-1.938** | **200.000** | **12.500** |
| 4.128 | **0.61** | 0.372 | -4.293 | -2.021 | 206.410 | 12.112 |
| 4.263 | **0.62** | 0.384 | -4.152 | -2.107 | 213.158 | 11.728 |
| 4.405 | **0.63** | 0.397 | -4.013 | -2.196 | 220.270 | 11.350 |
| 4.556 | **0.64** | 0.410 | -3.876 | -2.289 | 227.778 | 10.976 |
| 4.714 | **0.65** | 0.422 | -3.742 | -2.384 | 235.714 | 10.606 |
| 4.882 | **0.66** | 0.436 | -3.609 | -2.484 | 244.118 | 10.241 |
| 5.061 | **0.67** | 0.449 | -3.479 | -2.588 | 253.030 | 9.880 |
| 5.250 | **0.68** | 0.462 | -3.350 | -2.695 | 262.500 | 9.524 |
| 5.452 | **0.69** | 0.476 | -3.223 | -2.808 | 272.581 | 9.172 |
| 5.667 | **0.70** | 0.490 | -3.098 | -2.924 | 283.333 | 8.824 |
| 5.897 | **0.71** | 0.504 | -2.975 | -3.046 | 294.828 | 8.480 |
| 6.143 | **0.72** | 0.518 | -2.853 | -3.173 | 307.143 | 8.140 |
| 6.407 | **0.73** | 0.533 | -2.734 | -3.306 | 320.370 | 7.803 |
| 6.692 | **0.74** | 0.548 | -2.615 | -3.445 | 334.615 | 7.471 |
| **7.000** | **0.75** | **0.562** | **-2.499** | **-3.590** | **350.000** | **7.143** |
| 7.333 | **0.76** | 0.578 | -2.384 | -3.743 | 366.667 | 6.818 |
| 7.696 | **0.77** | 0.593 | -2.270 | -3.903 | 384.783 | 6.497 |
| 8.091 | **0.78** | 0.608 | -2.158 | -4.072 | 404.545 | 6.180 |
| 8.524 | **0.79** | 0.624 | -2.047 | -4.249 | 426.190 | 5.866 |
| 9.000 | **0.80** | 0.640 | -1.938 | -4.437 | 450.000 | 5.556 |
| 9.526 | **0.81** | 0.656 | -1.830 | -4.636 | 476.316 | 5.249 |
| 10.111 | **0.82** | 0.672 | -1.724 | -4.847 | 505.555 | 4.945 |
| 10.765 | **0.83** | 0.689 | -1.618 | -5.071 | 538.235 | 4.645 |
| 11.500 | **0.84** | 0.706 | -1.514 | -5.311 | 575.000 | 4.348 |
| 12.333 | **0.85** | 0.722 | -1.412 | -5.567 | 616.667 | 4.054 |
| 13.286 | **0.86** | 0.740 | -1.310 | -5.844 | 664.286 | 3.763 |
| 14.385 | **0.87** | 0.757 | -1.210 | -6.142 | 719.231 | 3.476 |
| 15.667 | **0.88** | 0.774 | -1.110 | -6.467 | 783.333 | 3.191 |
| 17.182 | **0.89** | 0.792 | -1.012 | -6.821 | 859.091 | 2.910 |
| 19.000 | **0.90** | 0.810 | -0.915 | -7.212 | 950.000 | 2.632 |
| 21.222 | **0.91** | 0.828 | -0.819 | -7.647 | 1061.111 | 2.356 |
| 24.000 | **0.92** | 0.846 | -0.724 | -8.136 | 1200.000 | 2.083 |
| 27.571 | **0.93** | 0.865 | -0.630 | -8.693 | 1378.571 | 1.813 |
| 32.333 | **0.94** | 0.884 | -0.537 | -9.340 | 1616.666 | 1.546 |
| 39.000 | **0.95** | 0.902 | -0.446 | -10.110 | 1949.999 | 1.282 |
| 49.000 | **0.96** | 0.922 | -0.355 | -11.057 | 2449.999 | 1.020 |
| 65.667 | **0.97** | 0.941 | -0.265 | -12.284 | 3283.331 | 0.761 |
| 99.000 | **0.98** | 0.960 | -0.175 | -14.023 | 4949.995 | 0.505 |
| 199.000 | **0.99** | 0.980 | -0.087 | -17.011 | 9949.978 | 0.251 |
| ∞ | **1** | 1 | 0 | -∞ | ∞ (Х. Х.) | 0 (К. З.) |