

# Technical Data

## RETURN LOSS vs. VSWR

| RETURN LOSS<br>dB | VSWR  | RETURN LOSS<br>dB | VSWR   | RETURN LOSS<br>dB | VSWR    |
|-------------------|-------|-------------------|--------|-------------------|---------|
| 0.0               | ∞     | 21.0              | 1.196  | 42.0              | 1.0160  |
| 0.5               | 34.7  | 21.5              | 1.184  | 42.5              | 1.0151  |
| 1.0               | 17.3  | 22.0              | 1.172  | 43.0              | 1.0143  |
| 1.5               | 11.8  | 22.5              | 1.162  | 43.5              | 1.0134  |
| 2.0               | 8.71  | 23.0              | 1.152  | 44.0              | 1.0127  |
| 2.5               | 7.00  | 23.5              | 1.143  | 44.5              | 1.0120  |
| 3.0               | 5.85  | 24.0              | 1.135  | 45.0              | 1.0113  |
| 3.5               | 5.02  | 24.5              | 1.127  | 45.5              | 1.0107  |
| 4.0               | 4.42  | 25.0              | 1.119  | 46.0              | 1.0101  |
| 4.5               | 3.95  | 25.5              | 1.112  | 46.5              | 1.0095  |
| 5.0               | 3.57  | 26.0              | 1.105  | 47.0              | 1.0090  |
| 5.5               | 3.26  | 26.5              | 1.099  | 47.5              | 1.0085  |
| 6.0               | 3.01  | 27.0              | 1.094  | 48.0              | 1.0080  |
| 6.5               | 2.80  | 27.5              | 1.088  | 48.5              | 1.0075  |
| 7.0               | 2.62  | 28.0              | 1.083  | 49.0              | 1.0071  |
| 7.5               | 2.46  | 28.5              | 1.078  | 49.5              | 1.0067  |
| 8.0               | 2.32  | 29.0              | 1.074  | 50.0              | 1.0063  |
| 8.5               | 2.21  | 29.5              | 1.069  | 50.5              | 1.0060  |
| 9.0               | 2.10  | 30.0              | 1.065  | 51.0              | 1.0057  |
| 9.5               | 2.01  | 30.5              | 1.062  | 51.5              | 1.0053  |
| 10.0              | 1.92  | 31.0              | 1.058  | 52.0              | 1.0050  |
| 10.5              | 1.85  | 31.5              | 1.055  | 52.5              | 1.0048  |
| 11.0              | 1.79  | 32.0              | 1.051  | 53.0              | 1.0045  |
| 11.5              | 1.72  | 32.5              | 1.049  | 53.5              | 1.0042  |
| 12.0              | 1.67  | 33.0              | 1.046  | 54.0              | 1.0040  |
| 12.5              | 1.62  | 33.5              | 1.043  | 54.5              | 1.0038  |
| 13.0              | 1.58  | 34.0              | 1.041  | 55.0              | 1.0035  |
| 13.5              | 1.53  | 34.5              | 1.038  | 55.5              | 1.0034  |
| 14.0              | 1.50  | 35.0              | 1.036  | 56.0              | 1.0032  |
| 14.5              | 1.46  | 35.5              | 1.034  | 56.5              | 1.0030  |
| 15.0              | 1.43  | 36.0              | 1.032  | 57.0              | 1.0028  |
| 15.5              | 1.40  | 36.5              | 1.030  | 57.5              | 1.0027  |
| 16.0              | 1.38  | 37.0              | 1.029  | 58.0              | 1.0025  |
| 16.5              | 1.35  | 37.5              | 1.027  | 58.5              | 1.0024  |
| 17.0              | 1.33  | 38.0              | 1.026  | 59.0              | 1.0022  |
| 17.5              | 1.31  | 38.5              | 1.024  | 59.5              | 1.0021  |
| 18.0              | 1.29  | 39.0              | 1.023  | 60.0              | 1.0020  |
| 18.5              | 1.27  | 39.5              | 1.021  | 60.5              | 1.00189 |
| 19.0              | 1.25  | 40.0              | 1.020  | 61.0              | 1.00178 |
| 19.5              | 1.233 | 40.5              | 1.0191 | 61.5              | 1.00168 |
| 20.0              | 1.222 | 41.0              | 1.0180 | 62.0              | 1.00159 |
| 20.5              | 1.208 | 41.5              | 1.0170 | 62.5              | 1.00150 |

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