

# Technical Data

TABLE 1 (Continued)

| VOLTAGE RATIO | POWER RATIO   | ± dB ±      |              | VOLTAGE RATIO | POWER RATIO  | VOLTAGE RATIO | POWER RATIO | ± dB ±        |               | VOLTAGE RATIO | POWER RATIO |
|---------------|---------------|-------------|--------------|---------------|--------------|---------------|-------------|---------------|---------------|---------------|-------------|
|               |               |             | dB           |               |              |               |             |               | dB            |               |             |
| .3162         | .1000         | 10.0        | 3.162        | 10.000        | .1585        | .02512        | 16.0        | 6.310         | 39.81         |               |             |
| .3126         | .09772        | 10.1        | 3.199        | 10.23         | .1567        | .02455        | 16.1        | 6.383         | 40.74         |               |             |
| .3090         | .09550        | 10.2        | 3.236        | 10.47         | .1549        | .02399        | 16.2        | 6.457         | 41.69         |               |             |
| .3055         | .09333        | 10.3        | 3.273        | 10.72         | .1531        | .02344        | 16.3        | 6.531         | 42.66         |               |             |
| .3020         | .09120        | 10.4        | 3.311        | 10.96         | .1514        | .02291        | 16.4        | 6.607         | 43.65         |               |             |
| .2985         | .08913        | 10.5        | 3.350        | 11.22         | .1496        | .02239        | 16.5        | 6.683         | 44.67         |               |             |
| .2951         | .08710        | 10.6        | 3.388        | 11.48         | .1479        | .02188        | 16.6        | 6.761         | 45.71         |               |             |
| .2917         | .08511        | 10.7        | 3.428        | 11.75         | .1462        | .02138        | 16.7        | 6.839         | 46.77         |               |             |
| .2884         | .08318        | 10.8        | 3.467        | 12.02         | .1445        | .02089        | 16.8        | 6.918         | 47.86         |               |             |
| .2851         | .08128        | 10.9        | 3.508        | 12.30         | .1429        | .02042        | 16.9        | 6.998         | 48.98         |               |             |
| <b>.2818</b>  | <b>.07943</b> | <b>11.0</b> | <b>3.548</b> | <b>12.59</b>  | <b>.1413</b> | <b>.01995</b> | <b>17.0</b> | <b>7.079</b>  | <b>50.12</b>  |               |             |
| .2786         | .07762        | 11.1        | 3.589        | 12.88         | .1396        | .01950        | 17.1        | 7.161         | 51.29         |               |             |
| .2754         | .07586        | 11.2        | 3.631        | 13.18         | .1380        | .01905        | 17.2        | 7.244         | 52.48         |               |             |
| .2723         | .07413        | 11.3        | 3.673        | 13.49         | .1365        | .01862        | 17.3        | 7.328         | 53.70         |               |             |
| .2692         | .07244        | 11.4        | 3.715        | 13.80         | .1349        | .01820        | 17.4        | 7.413         | 54.95         |               |             |
| .2661         | .07079        | 11.5        | 3.758        | 14.13         | .1334        | .01778        | 17.5        | 7.499         | 56.23         |               |             |
| .2630         | .06918        | 11.6        | 3.802        | 14.45         | .1318        | .01738        | 17.6        | 7.586         | 57.54         |               |             |
| .2600         | .06761        | 11.7        | 3.848        | 14.79         | .1303        | .01698        | 17.7        | 7.674         | 58.89         |               |             |
| .2570         | .06607        | 11.8        | 3.890        | 15.14         | .1288        | .01660        | 17.8        | 7.762         | 60.26         |               |             |
| .2541         | .06457        | 11.9        | 3.936        | 15.49         | .1274        | .01622        | 17.9        | 7.852         | 61.66         |               |             |
| <b>.2512</b>  | <b>.06310</b> | <b>12.0</b> | <b>3.981</b> | <b>15.85</b>  | <b>.1259</b> | <b>.01585</b> | <b>18.0</b> | <b>7.943</b>  | <b>63.10</b>  |               |             |
| .2483         | .06168        | 12.1        | 4.027        | 16.22         | .1245        | .01549        | 18.1        | 8.035         | 64.57         |               |             |
| .2455         | .06028        | 12.2        | 4.074        | 16.60         | .1230        | .01514        | 18.2        | 8.128         | 66.07         |               |             |
| .2427         | .05888        | 12.3        | 4.121        | 16.98         | .1216        | .01479        | 18.3        | 8.222         | 67.61         |               |             |
| .2399         | .05754        | 12.4        | 4.169        | 17.38         | .1202        | .01445        | 18.4        | 8.318         | 69.18         |               |             |
| .2371         | .05623        | 12.5        | 4.217        | 17.78         | .1189        | .01413        | 18.5        | 8.414         | 70.79         |               |             |
| .2344         | .05495        | 12.6        | 4.266        | 18.20         | .1175        | .01380        | 18.6        | 8.511         | 72.44         |               |             |
| .2317         | .05370        | 12.7        | 4.315        | 18.62         | .1161        | .01349        | 18.7        | 8.610         | 74.13         |               |             |
| .2291         | .05248        | 12.8        | 4.365        | 19.05         | .1148        | .01318        | 18.8        | 8.710         | 75.86         |               |             |
| .2265         | .05129        | 12.9        | 4.416        | 19.50         | .1135        | .01288        | 18.9        | 8.811         | 77.62         |               |             |
| <b>.2239</b>  | <b>.05012</b> | <b>13.0</b> | <b>4.467</b> | <b>19.95</b>  | <b>.1122</b> | <b>.01259</b> | <b>19.0</b> | <b>8.913</b>  | <b>79.43</b>  |               |             |
| .2213         | .04898        | 13.1        | 4.519        | 20.42         | .1109        | .01230        | 19.1        | 9.016         | 81.28         |               |             |
| .2188         | .04786        | 13.2        | 4.571        | 20.89         | .1096        | .01202        | 19.2        | 9.120         | 83.18         |               |             |
| .2163         | .04677        | 13.3        | 4.624        | 21.38         | .1084        | .01175        | 19.3        | 9.226         | 85.11         |               |             |
| .2138         | .04571        | 13.4        | 4.677        | 21.88         | .1072        | .01148        | 19.4        | 9.333         | 87.10         |               |             |
| .2113         | .04467        | 13.5        | 4.732        | 22.39         | .1059        | .01122        | 19.5        | 9.441         | 89.13         |               |             |
| .2089         | .04365        | 13.6        | 4.786        | 22.91         | .1047        | .01096        | 19.6        | 9.550         | 91.20         |               |             |
| .2065         | .04266        | 13.7        | 4.842        | 23.44         | .1035        | .01072        | 19.7        | 9.661         | 93.33         |               |             |
| .2042         | .04169        | 13.8        | 4.898        | 23.99         | .1023        | .01047        | 19.8        | 9.772         | 95.50         |               |             |
| .2018         | .04074        | 13.9        | 4.955        | 24.55         | .1012        | .01023        | 19.9        | 9.886         | 97.72         |               |             |
| <b>.1995</b>  | <b>.03981</b> | <b>14.0</b> | <b>5.012</b> | <b>25.12</b>  | <b>.1000</b> | <b>.01000</b> | <b>20.0</b> | <b>10.000</b> | <b>100.00</b> |               |             |
| .1972         | .03890        | 14.1        | 5.070        | 25.70         |              |               |             |               |               |               |             |
| .1950         | .03802        | 14.2        | 5.129        | 26.30         |              |               |             |               |               |               |             |
| .1928         | .03715        | 14.3        | 5.188        | 26.92         |              |               |             |               |               |               |             |
| .1905         | .03631        | 14.4        | 5.248        | 27.54         |              |               |             |               |               |               |             |
| .1884         | .03548        | 14.5        | 5.309        | 28.18         |              |               |             |               |               |               |             |
| .1862         | .03467        | 14.6        | 5.370        | 28.84         |              |               |             |               |               |               |             |
| .1841         | .03388        | 14.7        | 5.433        | 29.51         |              |               |             |               |               |               |             |
| .1820         | .03311        | 14.8        | 5.495        | 30.20         |              |               |             |               |               |               |             |
| .1799         | .03236        | 14.9        | 5.559        | 30.90         |              |               |             |               |               |               |             |
| <b>.1778</b>  | <b>.03162</b> | <b>15.0</b> | <b>5.623</b> | <b>31.62</b>  |              |               |             |               |               |               |             |
| .1758         | .03090        | 15.1        | 5.689        | 32.36         |              |               |             |               |               |               |             |
| .1738         | .03020        | 15.2        | 5.754        | 33.11         |              |               |             |               |               |               |             |
| .1718         | .02951        | 15.3        | 5.821        | 33.88         |              |               |             |               |               |               |             |
| .1698         | .02884        | 15.4        | 5.888        | 34.67         |              |               |             |               |               |               |             |
| .1679         | .02818        | 15.5        | 5.957        | 35.48         |              |               |             |               |               |               |             |
| .1660         | .02754        | 15.6        | 6.026        | 36.31         |              |               |             |               |               |               |             |
| .1641         | .02692        | 15.7        | 6.095        | 37.15         |              |               |             |               |               |               |             |
| .1622         | .02630        | 15.8        | 6.166        | 38.02         |              |               |             |               |               |               |             |
| .1603         | .02570        | 15.9        | 6.237        | 38.90         |              |               |             |               |               |               |             |

  

| VOLTAGE RATIO            | POWER RATIO       | ± dB ± |                         | VOLTAGE RATIO   | POWER RATIO      |
|--------------------------|-------------------|--------|-------------------------|-----------------|------------------|
|                          |                   |        | dB                      |                 |                  |
| 3.162 x 10 <sup>-1</sup> | 10 <sup>-1</sup>  | 10     | 3.162                   | 10              | 10               |
| 10 <sup>-1</sup>         | 10 <sup>-1</sup>  | 20     | 10                      | 10 <sup>0</sup> | 10 <sup>0</sup>  |
| 3.162 x 10 <sup>-1</sup> | 10 <sup>-1</sup>  | 30     | 3.162 x 10              | 10 <sup>0</sup> | 10 <sup>0</sup>  |
| 10 <sup>-2</sup>         | 10 <sup>-1</sup>  | 40     | 10 <sup>0</sup>         | 10 <sup>0</sup> | 10 <sup>0</sup>  |
| 3.162 x 10 <sup>-3</sup> | 10 <sup>-1</sup>  | 50     | 3.162 x 10 <sup>0</sup> | 10 <sup>0</sup> | 10 <sup>0</sup>  |
| 10 <sup>-3</sup>         | 10 <sup>-1</sup>  | 60     | 10 <sup>0</sup>         | 10 <sup>0</sup> | 10 <sup>0</sup>  |
| 3.162 x 10 <sup>-4</sup> | 10 <sup>-1</sup>  | 70     | 3.162 x 10 <sup>0</sup> | 10 <sup>0</sup> | 10 <sup>0</sup>  |
| 10 <sup>-4</sup>         | 10 <sup>-1</sup>  | 80     | 10 <sup>0</sup>         | 10 <sup>0</sup> | 10 <sup>0</sup>  |
| 3.162 x 10 <sup>-5</sup> | 10 <sup>-1</sup>  | 90     | 3.162 x 10 <sup>0</sup> | 10 <sup>0</sup> | 10 <sup>0</sup>  |
| 10 <sup>-5</sup>         | 10 <sup>-10</sup> | 100    | 10 <sup>0</sup>         | 10 <sup>0</sup> | 10 <sup>00</sup> |

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