

Typical Performance Data

| FREQ.<br><br>(MHz) | INSERTION LOSS |        |         | INPUT RETURN LOSS |        |         | OUTPUT RETURN LOSS |        |         |
|--------------------|----------------|--------|---------|-------------------|--------|---------|--------------------|--------|---------|
|                    | (dB)           |        |         | (dB)              |        |         | (dB)               |        |         |
|                    | @-55°C         | @+25°C | @+125°C | @-55°C            | @+25°C | @+125°C | @-55°C             | @+25°C | @+125°C |
| 10                 | 0.01           | 0.02   | 0.02    | 41.28             | 40.27  | 40.29   | 42.27              | 41.58  | 41.48   |
| 100                | 0.00           | 0.03   | 0.03    | 36.33             | 35.03  | 34.11   | 36.53              | 35.06  | 33.92   |
| 200                | 0.00           | 0.03   | 0.04    | 31.65             | 30.93  | 30.28   | 31.46              | 30.51  | 29.99   |
| 250                | 0.00           | 0.04   | 0.04    | 30.14             | 29.57  | 29.20   | 29.86              | 29.15  | 28.74   |
| 300                | 0.00           | 0.04   | 0.05    | 28.99             | 28.73  | 28.47   | 28.47              | 28.03  | 27.90   |
| 350                | 0.00           | 0.04   | 0.05    | 27.77             | 27.75  | 27.92   | 27.32              | 27.11  | 27.44   |
| 400                | 0.00           | 0.05   | 0.06    | 26.91             | 27.08  | 27.32   | 26.48              | 26.45  | 26.75   |
| 500                | 0.01           | 0.05   | 0.06    | 25.57             | 26.01  | 26.47   | 25.13              | 25.34  | 25.95   |
| 550                | 0.01           | 0.06   | 0.07    | 25.18             | 25.65  | 26.09   | 24.66              | 24.96  | 25.49   |
| 600                | 0.01           | 0.06   | 0.07    | 24.92             | 25.41  | 25.90   | 24.27              | 24.61  | 25.22   |
| 800                | 0.02           | 0.07   | 0.08    | 24.12             | 24.58  | 25.08   | 23.55              | 23.87  | 24.34   |
| 1000               | 0.02           | 0.08   | 0.09    | 23.93             | 24.39  | 24.82   | 23.32              | 23.65  | 24.20   |
| 5000               | 0.05           | 0.04   | 0.11    | 40.25             | 44.10  | 43.32   | 40.46              | 40.85  | 44.19   |
| 8000               | 0.21           | 0.06   | 0.07    | 28.25             | 28.26  | 26.79   | 30.24              | 29.97  | 29.28   |
| 10000              | 0.14           | 0.03   | 0.19    | 29.43             | 28.96  | 27.49   | 26.42              | 26.11  | 25.13   |
| 12000              | 0.14           | 0.05   | 0.23    | 22.42             | 23.03  | 24.68   | 23.04              | 23.71  | 25.82   |
| 14000              | 0.19           | 0.03   | 0.26    | 29.96             | 26.81  | 23.50   | 26.00              | 24.51  | 22.12   |
| 16000              | 0.19           | 0.05   | 0.29    | 18.90             | 19.23  | 20.78   | 19.15              | 19.38  | 20.78   |
| 17000              | 0.18           | 0.06   | 0.34    | 27.63             | 29.00  | 30.34   | 28.70              | 30.43  | 30.12   |
| 18000              | 0.12           | 0.15   | 0.46    | 36.94             | 33.62  | 24.34   | 31.44              | 30.23  | 24.09   |
| 20000              | 0.01           | 0.27   | 0.55    | 18.79             | 19.17  | 23.82   | 18.70              | 19.02  | 23.30   |
| 21000              | 0.02           | 0.28   | 0.63    | 21.06             | 21.50  | 20.90   | 20.97              | 21.42  | 20.54   |
| 25000              | 0.11           | 0.46   | 0.87    | 21.46             | 23.05  | 25.28   | 21.94              | 23.51  | 23.99   |
| 25500              | 0.13           | 0.49   | 0.93    | 22.38             | 23.59  | 22.28   | 22.88              | 24.27  | 22.35   |
| 27500              | 0.25           | 0.68   | 1.24    | 21.86             | 20.65  | 17.09   | 27.15              | 24.52  | 18.98   |
| 28000              | 0.34           | 0.79   | 1.39    | 18.24             | 17.66  | 15.08   | 19.33              | 18.72  | 15.81   |
| 28500              | 0.43           | 0.88   | 1.44    | 16.78             | 17.07  | 16.62   | 17.60              | 18.01  | 17.70   |
| 29500              | 0.48           | 0.98   | 1.62    | 27.39             | 28.49  | 28.94   | 42.89              | 36.96  | 24.82   |
| 30000              | 0.61           | 1.17   | 1.93    | 30.85             | 28.67  | 26.69   | 22.54              | 21.03  | 17.62   |
| 31000              | 1.88           | 2.74   | 3.99    | 9.91              | 9.47   | 8.57    | 9.38               | 9.00   | 8.30    |
| 31500              | 2.94           | 3.90   | 5.27    | 7.25              | 7.54   | 7.67    | 7.46               | 7.70   | 8.13    |
| 31800              | 3.46           | 4.54   | 6.10    | 6.88              | 7.40   | 7.99    | 7.48               | 7.92   | 8.90    |
| 32000              | 3.81           | 5.03   | 6.83    | 7.01              | 7.62   | 8.40    | 7.83               | 8.29   | 9.24    |
| 32500              | 5.23           | 7.17   | 10.08   | 7.82              | 8.08   | 8.36    | 8.01               | 7.77   | 7.38    |
| 33000              | 8.95           | 11.84  | 16.08   | 6.54              | 6.31   | 6.03    | 5.43               | 5.16   | 4.83    |
| 33500              | 15.43          | 19.03  | 23.93   | 4.12              | 4.32   | 4.40    | 3.54               | 3.67   | 3.82    |
| 34000              | 23.31          | 26.97  | 29.75   | 3.15              | 3.60   | 3.95    | 2.91               | 3.28   | 3.76    |
| 34500              | 29.24          | 29.34  | 28.57   | 3.17              | 3.68   | 4.26    | 3.02               | 3.53   | 4.24    |
| 35000              | 27.41          | 26.87  | 26.31   | 3.49              | 4.02   | 4.75    | 3.42               | 3.96   | 4.75    |
| 35500              | 25.19          | 25.40  | 26.10   | 3.57              | 4.09   | 4.69    | 3.48               | 3.92   | 4.53    |
| 36000              | 25.31          | 26.03  | 27.19   | 3.26              | 3.79   | 4.14    | 3.22               | 3.56   | 3.95    |
| 36500              | 26.50          | 27.46  | 29.10   | 2.90              | 3.38   | 3.62    | 2.91               | 3.24   | 3.53    |
| 37000              | 27.96          | 29.16  | 30.93   | 2.72              | 3.13   | 3.42    | 2.76               | 3.14   | 3.49    |
| 37500              | 29.53          | 30.87  | 32.56   | 2.67              | 3.10   | 3.58    | 2.77               | 3.23   | 3.71    |
| 38000              | 31.08          | 32.47  | 34.18   | 2.71              | 3.23   | 3.96    | 2.91               | 3.41   | 4.11    |
| 38500              | 33.21          | 34.68  | 36.37   | 2.61              | 3.21   | 4.07    | 2.90               | 3.40   | 4.24    |
| 39000              | 35.55          | 37.19  | 39.44   | 2.49              | 3.12   | 3.84    | 2.78               | 3.22   | 3.97    |
| 39500              | 38.65          | 40.72  | 43.74   | 2.51              | 3.08   | 3.51    | 2.69               | 3.08   | 3.62    |
| 40000              | 42.22          | 44.97  | 49.80   | 2.57              | 3.03   | 3.28    | 2.62               | 3.01   | 3.39    |
| 41000              | 56.35          | 60.64  | 55.88   | 2.80              | 3.30   | 3.70    | 2.99               | 3.47   | 3.79    |
| 42500              | 46.30          | 45.83  | 44.51   | 2.47              | 3.08   | 3.91    | 2.77               | 3.22   | 4.10    |
| 43000              | 44.60          | 44.32  | 43.55   | 2.41              | 2.88   | 3.59    | 2.56               | 2.99   | 3.76    |
| 43500              | 43.79          | 43.73  | 43.43   | 2.48              | 2.90   | 3.56    | 2.52               | 2.97   | 3.64    |
| 44000              | 42.61          | 42.94  | 43.44   | 2.59              | 3.10   | 3.66    | 2.69               | 3.19   | 3.74    |
| 44500              | 42.45          | 42.61  | 43.23   | 2.57              | 3.23   | 3.67    | 2.89               | 3.44   | 3.89    |
| 45000              | 42.08          | 42.69  | 43.88   | 2.68              | 3.45   | 3.78    | 3.19               | 3.74   | 4.12    |
| 45100              | 42.18          | 42.79  | 43.79   | 2.59              | 3.34   | 3.65    | 3.14               | 3.67   | 4.05    |
| 45200              | 42.32          | 42.81  | 43.76   | 2.69              | 3.45   | 3.76    | 3.20               | 3.74   | 4.14    |
| 45300              | 42.17          | 42.76  | 43.94   | 2.59              | 3.32   | 3.62    | 3.15               | 3.67   | 4.06    |
| 48000              | 47.14          | 47.66  | 47.89   | 2.74              | 3.64   | 4.61    | 3.38               | 4.08   | 4.98    |