

*Typical Performance Data*

| FREQ.<br>(MHz) | INSERTION LOSS<br>(dB) | INPUT RETURN LOSS<br>(dB) | OUTPUT RETURN LOSS<br>(dB) |
|----------------|------------------------|---------------------------|----------------------------|
| 10             | 1.50                   | 19.33                     | 19.41                      |
| 50             | 1.51                   | 19.30                     | 19.50                      |
| 100            | 1.52                   | 19.23                     | 19.22                      |
| 300            | 1.65                   | 18.14                     | 17.93                      |
| 400            | 1.74                   | 17.59                     | 17.39                      |
| 500            | 1.86                   | 17.31                     | 17.06                      |
| 700            | 2.13                   | 17.72                     | 17.38                      |
| 1000           | 2.63                   | 21.91                     | 21.70                      |
| 1150           | 3.00                   | 25.25                     | 25.77                      |
| 1500           | 4.98                   | 21.77                     | 21.56                      |
| 1850           | 16.55                  | 18.48                     | 18.40                      |
| 2000           | 33.39                  | 15.16                     | 15.37                      |
| 2500           | 41.33                  | 14.13                     | 14.78                      |
| 3000           | 43.95                  | 16.25                     | 17.23                      |
| 3500           | 42.02                  | 19.03                     | 19.74                      |
| 4000           | 54.52                  | 22.91                     | 22.99                      |
| 4500           | 63.26                  | 34.95                     | 30.38                      |
| 5000           | 58.85                  | 30.44                     | 34.57                      |
| 5500           | 53.19                  | 22.27                     | 23.98                      |
| 6000           | 48.40                  | 18.55                     | 19.29                      |
| 6500           | 45.12                  | 16.29                     | 16.40                      |
| 7000           | 42.99                  | 14.79                     | 14.62                      |
| 7500           | 41.88                  | 13.78                     | 13.48                      |
| 8000           | 41.37                  | 13.07                     | 12.63                      |
| 8500           | 41.30                  | 12.58                     | 12.00                      |
| 9000           | 41.64                  | 12.08                     | 11.48                      |
| 9500           | 42.16                  | 11.66                     | 11.10                      |
| 10000          | 42.93                  | 11.17                     | 10.81                      |
| 10500          | 43.61                  | 10.64                     | 10.46                      |
| 11000          | 44.38                  | 9.96                      | 10.05                      |
| 11500          | 45.48                  | 9.18                      | 9.49                       |
| 12000          | 47.26                  | 8.28                      | 8.87                       |
| 12500          | 51.94                  | 7.49                      | 8.31                       |
| 13000          | 51.18                  | 7.52                      | 8.80                       |
| 13500          | 57.01                  | 10.22                     | 12.30                      |
| 14000          | 54.19                  | 8.75                      | 10.56                      |
| 14500          | 52.05                  | 7.88                      | 9.50                       |
| 15000          | 51.52                  | 7.58                      | 9.12                       |
| 15500          | 52.59                  | 7.60                      | 8.97                       |
| 16000          | 52.42                  | 7.80                      | 9.00                       |
| 16500          | 52.58                  | 8.09                      | 8.96                       |
| 17000          | 52.29                  | 8.22                      | 8.85                       |
| 17500          | 52.58                  | 8.33                      | 8.56                       |
| 18000          | 52.77                  | 8.29                      | 8.12                       |
| 18500          | 52.53                  | 8.29                      | 7.66                       |
| 19000          | 52.61                  | 8.14                      | 7.24                       |
| 19500          | 52.31                  | 8.17                      | 6.85                       |
| 20000          | 51.49                  | 8.05                      | 6.51                       |
| 20500          | 50.65                  | 8.07                      | 6.23                       |
| 21000          | 48.99                  | 7.69                      | 6.05                       |
| 21500          | 47.14                  | 7.38                      | 5.96                       |
| 22000          | 45.94                  | 6.68                      | 5.97                       |
| 22500          | 44.78                  | 6.24                      | 6.02                       |
| 23000          | 43.71                  | 5.55                      | 6.11                       |
| 23500          | 42.47                  | 5.08                      | 6.12                       |
| 24000          | 41.65                  | 4.71                      | 6.14                       |
| 24500          | 40.70                  | 4.40                      | 5.99                       |
| 25000          | 40.14                  | 4.16                      | 5.81                       |
| 25500          | 40.39                  | 4.06                      | 5.63                       |
| 26000          | 39.68                  | 4.01                      | 5.54                       |

Note: "Test data of Die packaged in industry standard 4x4mm, 24-lead MCLP package"

