

## Typical Performance Data

| FREQUENCY<br>(MHz) | AVERAGE<br>INSERTION<br>LOSS*<br>(dB) | INPUT<br>RETURN<br>LOSS<br>(dB) | AMPLITUDE<br>UNBALANCE<br>(dB) | PHASE<br>UNBALANCE**<br>(deg) |
|--------------------|---------------------------------------|---------------------------------|--------------------------------|-------------------------------|
| 1600               | 4.93                                  | 2.39                            | 3.54                           | 1.97                          |
| 1700               | 4.11                                  | 2.88                            | 3.35                           | 2.34                          |
| 1800               | 3.39                                  | 3.45                            | 3.15                           | 2.69                          |
| 1900               | 2.76                                  | 4.10                            | 2.94                           | 3.15                          |
| 2000               | 2.22                                  | 4.82                            | 2.73                           | 3.55                          |
| 2100               | 1.77                                  | 5.61                            | 2.49                           | 3.84                          |
| 2200               | 1.40                                  | 6.43                            | 2.25                           | 3.97                          |
| 2300               | 1.11                                  | 7.28                            | 2.01                           | 4.02                          |
| 2400               | 0.88                                  | 8.15                            | 1.78                           | 3.80                          |
| 2500               | 0.69                                  | 9.04                            | 1.58                           | 3.51                          |
| 2600               | 0.55                                  | 9.93                            | 1.37                           | 3.00                          |
| 2700               | 0.43                                  | 10.84                           | 1.21                           | 2.40                          |
| 2800               | 0.34                                  | 11.75                           | 1.05                           | 1.79                          |
| 2900               | 0.27                                  | 12.72                           | 0.92                           | 1.12                          |
| 3000               | 0.20                                  | 13.67                           | 0.78                           | 0.47                          |
| 3050               | 0.18                                  | 14.16                           | 0.68                           | 0.40                          |
| 3100               | 0.15                                  | 14.72                           | 0.66                           | 0.02                          |
| 3150               | 0.13                                  | 15.26                           | 0.58                           | 0.07                          |
| 3200               | 0.10                                  | 15.73                           | 0.51                           | 0.55                          |
| 3250               | 0.09                                  | 16.43                           | 0.44                           | 0.51                          |
| 3300               | 0.07                                  | 16.86                           | 0.37                           | 0.93                          |
| 3325               | 0.07                                  | 17.26                           | 0.34                           | 0.93                          |
| 3350               | 0.05                                  | 17.66                           | 0.31                           | 0.95                          |
| 3375               | 0.04                                  | 17.83                           | 0.26                           | 1.20                          |
| 3400               | 0.04                                  | 18.05                           | 0.21                           | 1.36                          |
| 3425               | 0.04                                  | 18.46                           | 0.19                           | 1.42                          |
| 3450               | 0.03                                  | 18.88                           | 0.16                           | 1.47                          |
| 3475               | 0.02                                  | 19.08                           | 0.10                           | 1.65                          |
| 3500               | 0.02                                  | 19.30                           | 0.06                           | 1.83                          |
| 3525               | 0.02                                  | 19.64                           | 0.03                           | 1.97                          |
| 3550               | 0.02                                  | 20.03                           | 0.01                           | 2.04                          |
| 3575               | 0.01                                  | 20.24                           | 0.02                           | 2.28                          |
| 3600               | 0.00                                  | 20.47                           | 0.09                           | 2.41                          |
| 3650               | 0.02                                  | 21.10                           | 0.13                           | 2.78                          |
| 3700               | 0.00                                  | 21.56                           | 0.23                           | 3.13                          |
| 3750               | 0.01                                  | 21.99                           | 0.27                           | 3.60                          |
| 3800               | 0.02                                  | 22.44                           | 0.34                           | 3.88                          |
| 3850               | 0.02                                  | 22.67                           | 0.35                           | 4.53                          |
| 3900               | 0.04                                  | 22.99                           | 0.41                           | 4.81                          |
| 3950               | 0.03                                  | 23.07                           | 0.43                           | 5.45                          |
| 4000               | 0.05                                  | 23.42                           | 0.46                           | 5.79                          |
| 4100               | 0.06                                  | 23.51                           | 0.47                           | 6.73                          |
| 4200               | 0.08                                  | 23.03                           | 0.45                           | 7.54                          |
| 4300               | 0.11                                  | 22.15                           | 0.37                           | 8.24                          |
| 4400               | 0.13                                  | 20.86                           | 0.27                           | 8.86                          |
| 4500               | 0.16                                  | 19.40                           | 0.14                           | 9.52                          |
| 4600               | 0.20                                  | 17.91                           | 0.00                           | 10.06                         |
| 4700               | 0.25                                  | 16.56                           | 0.16                           | 10.79                         |
| 4750               | 0.27                                  | 15.99                           | 0.27                           | 11.26                         |
| 5000               | 0.48                                  | 13.24                           | 0.92                           | 15.72                         |

\* Insertion Loss is referenced to mid-band loss , 0.7 dB.

\*\*Phase Unbalance is relative to 180°