

# Band Pass Filter

CBPF-EDU0559

## Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION<br>LOSS<br>(dB) | RETURN<br>LOSS<br>(dB) | FREQUENCY<br>(MHz) | GROUP<br>DELAY<br>(nsec) |
|--------------------|---------------------------|------------------------|--------------------|--------------------------|
| 1.00               | 82.86                     | 0.00                   | 1.00               | 8.96                     |
| 10.00              | 88.41                     | 0.03                   | 10.00              | 0.84                     |
| 25.00              | 69.70                     | 0.18                   | 25.00              | 17.51                    |
| 30.00              | 62.00                     | 0.30                   | 41.00              | 29.39                    |
| 34.00              | 45.93                     | 0.43                   | 50.00              | 55.42                    |
| 37.00              | 36.66                     | 0.55                   | 65.00              | 32.32                    |
| 41.00              | 26.15                     | 0.82                   | 68.00              | 32.29                    |
| 43.00              | 21.27                     | 1.05                   | 68.50              | 31.79                    |
| 53.00              | 3.05                      | 9.00                   | 69.00              | 31.46                    |
| 68.50              | 1.27                      | 23.31                  | 70.00              | 32.45                    |
| 75.00              | 1.40                      | 20.11                  | 75.00              | 35.03                    |
| 81.50              | 1.81                      | 29.40                  | 80.00              | 41.83                    |
| 85.00              | 3.50                      | 9.91                   | 81.00              | 45.82                    |
| 90.00              | 14.35                     | 2.56                   | 81.50              | 47.37                    |
| 92.00              | 20.14                     | 1.97                   | 82.00              | 49.81                    |
| 94.00              | 26.07                     | 1.62                   | 85.00              | 63.01                    |
| 97.00              | 35.36                     | 1.35                   | 95.00              | 28.04                    |
| 99.00              | 41.87                     | 1.23                   | 100.00             | 30.51                    |
| 100.00             | 45.43                     | 1.20                   | 107.00             | 28.10                    |
| 105.00             | 68.67                     | 1.10                   | 120.00             | 20.97                    |
| 107.00             | 72.17                     | 1.09                   | 200.00             | 1.83                     |
| 140.00             | 71.28                     | 0.87                   | 400.00             | 1.03                     |
| 425.00             | 60.81                     | 0.44                   | 1000.00            | 3.07                     |
| 800.00             | 43.03                     | 2.25                   | 1300.00            | 0.49                     |
| 1200.00            | 30.55                     | 0.58                   | 1400.00            | 0.47                     |
| 1375.00            | 30.68                     | 0.55                   | 2000.00            | 0.42                     |
| 2000.00            | 26.41                     | 0.67                   | 3000.00            | 0.08                     |
| 3000.00            | 19.93                     | 2.02                   | 4000.00            | 0.42                     |
| 5200.00            | 15.58                     | 2.67                   | 5000.00            | 0.49                     |
| 6000.00            | 15.27                     | 4.68                   | 6000.00            | 0.43                     |