

# Coaxial Low Pass Filter

# SLP-50+

## 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               | 0.03                      | 35.75                  | 1.00               | 17.320                   |
| 2.00               | 0.04                      | 30.06                  | 2.00               | 17.460                   |
| 4.00               | 0.07                      | 24.58                  | 4.00               | 17.170                   |
| 10.00              | 0.13                      | 19.48                  | 10.00              | 17.020                   |
| 14.00              | 0.14                      | 20.07                  | 14.00              | 17.450                   |
| 20.00              | 0.13                      | 28.88                  | 20.00              | 18.220                   |
| 24.00              | 0.14                      | 33.51                  | 24.00              | 18.800                   |
| 31.00              | 0.20                      | 22.69                  | 31.00              | 20.160                   |
| 35.00              | 0.22                      | 25.17                  | 35.00              | 21.570                   |
| 41.00              | 0.32                      | 20.99                  | 41.00              | 24.630                   |
| 45.00              | 0.40                      | 21.97                  | 45.00              | 28.540                   |
| 50.00              | 1.23                      | 9.38                   | 50.00              | 41.380                   |
| 54.00              | 5.88                      | 2.10                   | 54.00              | 36.670                   |
| 58.00              | 12.84                     | 0.66                   | 58.00              | 21.030                   |
| 60.00              | 16.20                     | 0.46                   | 60.00              | 16.340                   |
| 62.00              | 19.35                     | 0.36                   | 62.00              | 13.170                   |
| 68.00              | 27.74                     | 0.25                   | 68.00              | 8.020                    |
| 70.00              | 30.25                     | 0.24                   | 70.00              | 7.070                    |
| 72.00              | 32.66                     | 0.23                   | 72.00              | 6.330                    |
| 74.00              | 34.97                     | 0.22                   | 74.00              | 5.650                    |
| 78.00              | 39.39                     | 0.20                   | 78.00              | 4.630                    |
| 79.00              | 40.45                     | 0.20                   | 79.00              | 4.530                    |
| 80.00              | 41.50                     | 0.20                   | 80.00              | 4.250                    |
| 81.00              | 42.55                     | 0.19                   | 81.00              | 3.900                    |
| 100.00             | 63.39                     | 0.18                   | 100.00             | 0.610                    |
| 300.00             | 71.06                     | 0.14                   | 300.00             | 4.070                    |
| 400.00             | 72.99                     | 0.13                   | 400.00             | 2.830                    |
| 1500.00            | 66.94                     | 0.03                   | 1500.00            | 0.550                    |
| 2000.00            | 75.42                     | 0.04                   | 2000.00            | 0.850                    |
| 2500.00            | 66.79                     | 0.10                   | 2500.00            | 0.540                    |
| 3000.00            | 55.66                     | 0.49                   | 3000.00            | 0.500                    |
| 3500.00            | 52.29                     | 0.62                   | 3500.00            | 0.340                    |
| 4000.00            | 48.09                     | 1.19                   | 4000.00            | 0.490                    |
| 4500.00            | 42.33                     | 3.48                   | 4500.00            | 1.640                    |
| 5000.00            | 25.60                     | 5.34                   | 5000.00            | 1.200                    |
| 5500.00            | 28.36                     | 2.53                   | 5500.00            | 0.920                    |
| 6500.00            | 46.64                     | 0.96                   | 6500.00            | 0.720                    |
| 7000.00            | 54.34                     | 0.88                   | 7000.00            | 0.730                    |
| 7500.00            | 52.30                     | 1.43                   | 7500.00            | 0.340                    |
| 8000.00            | 42.33                     | 3.81                   | 8000.00            | 0.690                    |
| 8500.00            | 41.90                     | 5.22                   | 8500.00            | 0.500                    |
| 9500.00            | 36.14                     | 1.74                   | 9500.00            | 0.290                    |
| 10000.00           | 24.92                     | 2.02                   | 10000.00           | 0.680                    |

REV. X1  
SLP-50+  
060921

Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant

P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

