

# Dual Low Pass Filter

# DLPF-EDU1159

## Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION<br>LOSS<br>(dB) | RETURN<br>LOSS<br>(dB) | FREQUENCY<br>(MHz) | GROUP<br>DELAY<br>(nsec) |
|--------------------|---------------------------|------------------------|--------------------|--------------------------|
| 0.5                | 0.23                      | 31.52                  | 0.5                | 34.42                    |
| 1.0                | 0.24                      | 30.41                  | 1.0                | 35.28                    |
| 2.0                | 0.25                      | 28.77                  | 2.0                | 36.47                    |
| 3.0                | 0.26                      | 28.33                  | 2.4                | 36.79                    |
| 5.0                | 0.28                      | 33.86                  | 3.0                | 37.17                    |
| 7.0                | 0.32                      | 28.22                  | 5.0                | 39.14                    |
| 9.0                | 0.40                      | 20.98                  | 6.5                | 41.41                    |
| 10.0               | 0.42                      | 21.19                  | 7.0                | 42.32                    |
| 11.0               | 0.44                      | 27.89                  | 7.2                | 42.77                    |
| 12.0               | 0.53                      | 20.19                  | 9.0                | 47.46                    |
| 13.0               | 1.12                      | 9.49                   | 9.6                | 50.31                    |
| 14.0               | 3.00                      | 4.24                   | 10.0               | 52.30                    |
| 15.0               | 6.43                      | 1.94                   | 11.0               | 60.67                    |
| 16.0               | 10.68                     | 1.07                   | 12.0               | 74.17                    |
| 17.0               | 15.14                     | 0.73                   | 12.1               | 74.98                    |
| 18.0               | 19.66                     | 0.58                   | 13.0               | 88.14                    |
| 19.0               | 24.30                     | 0.50                   | 13.4               | 90.66                    |
| 20.0               | 29.29                     | 0.45                   | 13.5               | 90.66                    |
| 21.0               | 35.10                     | 0.41                   | 13.9               | 88.35                    |
| 22.0               | 43.16                     | 0.38                   | 14.0               | 88.15                    |
| 23.0               | 67.53                     | 0.35                   | 15.0               | 71.33                    |
| 24.0               | 47.46                     | 0.33                   | 16.0               | 52.15                    |
| 25.0               | 43.17                     | 0.31                   | 17.0               | 38.33                    |
| 26.0               | 41.33                     | 0.29                   | 18.0               | 29.34                    |
| 27.0               | 40.43                     | 0.27                   | 19.0               | 23.16                    |
| 28.0               | 40.03                     | 0.26                   | 20.0               | 18.37                    |
| 29.0               | 39.92                     | 0.25                   |                    |                          |
| 30.0               | 39.99                     | 0.24                   |                    |                          |
| 35.0               | 41.58                     | 0.19                   |                    |                          |
| 40.0               | 43.88                     | 0.16                   |                    |                          |
| 45.0               | 46.19                     | 0.13                   |                    |                          |
| 50.0               | 48.47                     | 0.12                   |                    |                          |
| 60.0               | 52.61                     | 0.09                   |                    |                          |
| 70.0               | 56.25                     | 0.07                   |                    |                          |
| 80.0               | 59.48                     | 0.06                   |                    |                          |
| 90.0               | 62.30                     | 0.06                   |                    |                          |
| 100.0              | 64.72                     | 0.05                   |                    |                          |
| 150.0              | 74.52                     | 0.04                   |                    |                          |
| 200.0              | 79.70                     | 0.04                   |                    |                          |
| 300.0              | 85.28                     | 0.05                   |                    |                          |
| 400.0              | 87.08                     | 0.06                   |                    |                          |
| 500.0              | 88.58                     | 0.08                   |                    |                          |
| 700.0              | 82.34                     | 0.12                   |                    |                          |
| 1000.0             | 82.45                     | 0.27                   |                    |                          |
| 1200.0             | 70.64                     | 0.24                   |                    |                          |
| 1500.0             | 56.12                     | 0.42                   |                    |                          |
| 1700.0             | 43.52                     | 5.52                   |                    |                          |
| 2000.0             | 53.91                     | 0.47                   |                    |                          |
| 2200.0             | 47.69                     | 0.45                   |                    |                          |
| 2500.0             | 40.21                     | 0.51                   |                    |                          |
| 2700.0             | 34.11                     | 0.57                   |                    |                          |
| 3000.0             | 21.79                     | 1.42                   |                    |                          |
| 3200.0             | 17.98                     | 5.35                   |                    |                          |
| 3500.0             | 35.11                     | 1.70                   |                    |                          |