

# Coaxial Low Pass Filter (Flat Time Delay)

## NBLP-117

### Typical Performance Data

| FREQUENCY<br>(MHz) | INSERTION<br>LOSS<br>(dB) | RETURN<br>LOSS<br>(dB) | FREQUENCY<br>(MHz) | GROUP<br>DELAY<br>(nsec) |
|--------------------|---------------------------|------------------------|--------------------|--------------------------|
| 1.0                | 0.02                      | 35.30                  | 1.0                | 3.075                    |
| 23.0               | 0.15                      | 16.80                  | 12.0               | 3.015                    |
| 33.0               | 0.26                      | 13.80                  | 23.0               | 3.252                    |
| 44.0               | 0.42                      | 11.50                  | 33.0               | 3.331                    |
| 55.0               | 0.65                      | 9.60                   | 44.0               | 3.126                    |
| 65.0               | 0.90                      | 8.30                   | 55.0               | 3.140                    |
| 66.0               | 0.92                      | 8.20                   | 65.0               | 3.044                    |
| 100.0              | 1.96                      | 4.80                   | 66.0               | 3.271                    |
| 117.0              | 2.80                      | 3.50                   | 83.0               | 3.303                    |
| 118.0              | 2.86                      | 3.50                   | 100.0              | 3.348                    |
| 152.0              | 5.63                      | 1.90                   | 117.0              | 3.233                    |
| 185.0              | 8.79                      | 1.20                   | 118.0              | 3.593                    |
| 201.0              | 10.40                     | 0.90                   | 135.0              | 3.409                    |
| 218.0              | 12.20                     | 0.70                   | 152.0              | 2.782                    |
| 234.0              | 13.99                     | 0.50                   | 168.0              | 2.798                    |
| 235.0              | 14.10                     | 0.50                   | 185.0              | 2.689                    |
| 257.0              | 16.54                     | 0.30                   | 201.0              | 2.681                    |
| 279.0              | 18.92                     | 0.30                   | 218.0              | 2.252                    |
| 290.0              | 20.08                     | 0.20                   | 234.0              | 2.060                    |
| 301.0              | 21.23                     | 0.20                   | 235.0              | 2.038                    |
| 312.0              | 22.36                     | 0.20                   | 246.0              | 1.965                    |
| 313.0              | 22.46                     | 0.20                   | 257.0              | 1.759                    |
| 361.0              | 27.82                     | 0.20                   | 268.0              | 1.562                    |
| 409.0              | 32.27                     | 0.20                   | 279.0              | 1.358                    |
| 457.0              | 35.79                     | 0.20                   | 290.0              | 1.372                    |
| 505.0              | 39.52                     | 0.20                   | 301.0              | 1.483                    |
| 529.0              | 41.10                     | 0.20                   | 312.0              | 1.659                    |
| 553.0              | 42.74                     | 0.20                   | 313.0              | 1.765                    |
| 577.0              | 44.30                     | 0.30                   | 337.0              | 1.324                    |
| 600.0              | 45.95                     | 0.30                   | 361.0              | 1.555                    |

REV. X1  
NBLP-117  
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Page 1 of 1



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