

**CRYSTEK**  
**MICROWAVE**  
A DIVISION OF CRYSTEK CORPORATION

Low Pass Filter  
50 $\Omega$  BNC  
9<sup>th</sup> Order

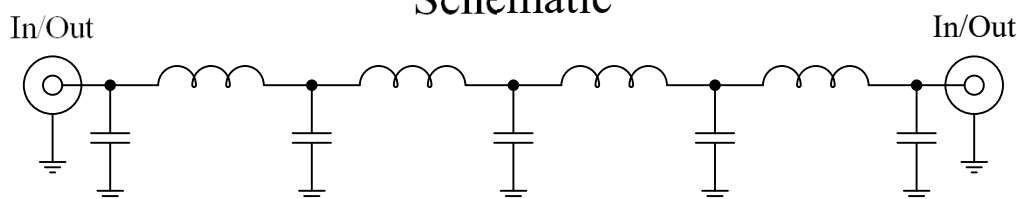


Part Number: CLPFL-0025-BNC

Low Pass Range  
DC to 25 MHz



Schematic



### Features:

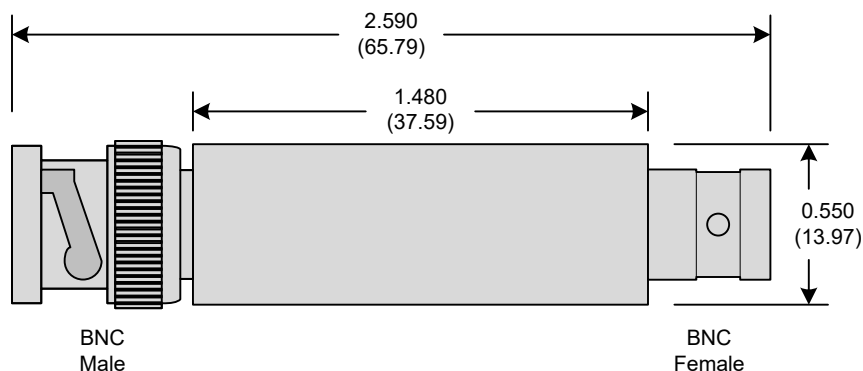
- 9<sup>th</sup> Order Chebyshev Response
- 50 $\Omega$  BNC Connectors

### Applications:

- Test Equipment
- Lab Use

### Maximum Ratings:

- +36dBm (4 Watts)
- Operating Temperature: -40°C to 85°C
- Storage Temperature: -55°C to 100°C
- 50 VDC



Crystek's new line of BNC Low Pass Filters are designed in a rugged BNC housing. This filter line has excellent out-of-band rejection.

Designed for Test Equipment and General Lab Use.

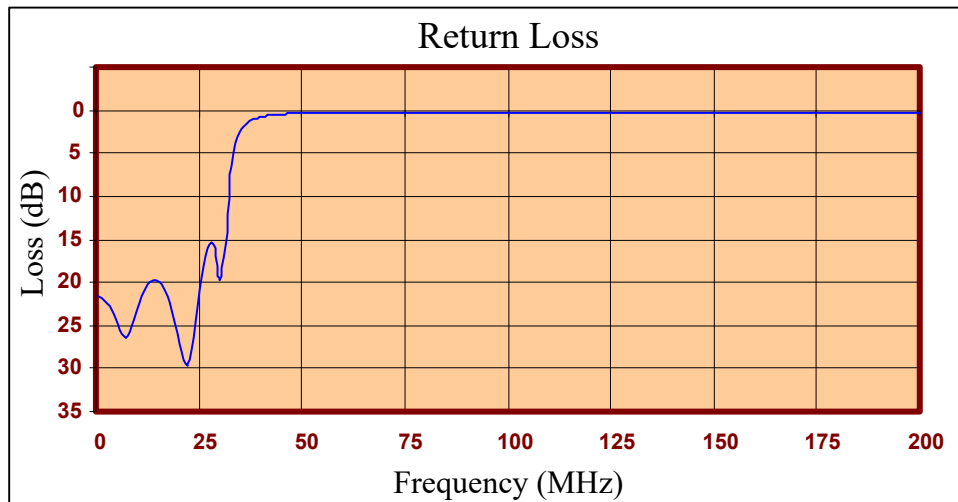
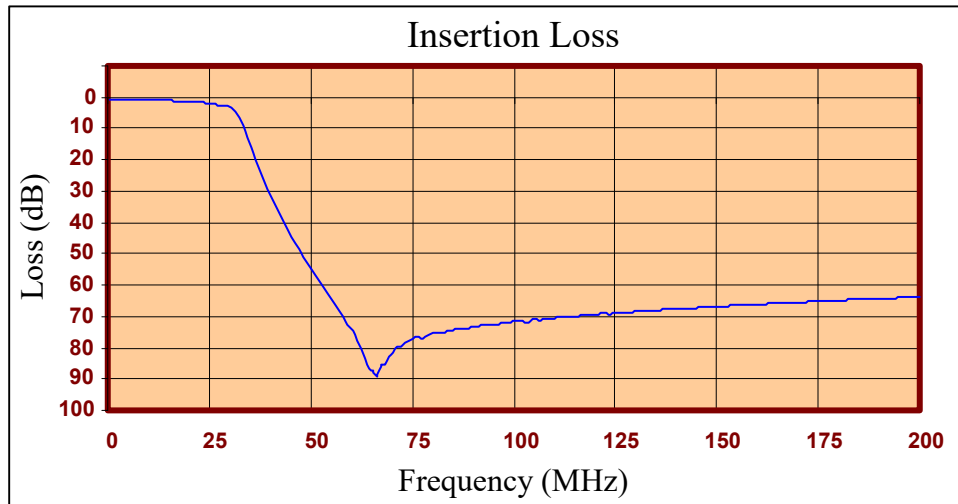
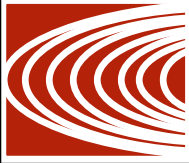
Rev D

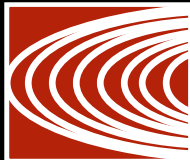
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**CRYSTEK**  
CORPORATION

12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913  
PHONE: 239-561-3311 • 800-237-3061  
FAX: 239-561-1025 • WWW.CRYSTEK.COM





| FREQ<br>(MHz) | INSERTION LOSS<br>(dB) | RETURN LOSS<br>(dB) |
|---------------|------------------------|---------------------|
| 0.300         | 0.70                   | 21.59               |
| 1.299         | 0.73                   | 21.82               |
| 2.297         | 0.74                   | 22.18               |
| 3.296         | 0.75                   | 22.81               |
| 4.294         | 0.76                   | 23.69               |
| 5.293         | 0.77                   | 24.79               |
| 6.291         | 0.78                   | 25.87               |
| 7.290         | 0.80                   | 26.39               |
| 8.288         | 0.83                   | 25.85               |
| 9.287         | 0.86                   | 24.47               |
| 10.285        | 0.89                   | 22.92               |
| 11.284        | 0.93                   | 21.57               |
| 12.282        | 0.98                   | 20.58               |
| 13.281        | 1.02                   | 19.97               |
| 14.279        | 1.07                   | 19.77               |
| 15.278        | 1.12                   | 19.97               |
| 16.276        | 1.17                   | 20.59               |
| 17.275        | 1.23                   | 21.67               |
| 18.273        | 1.29                   | 23.19               |
| 19.272        | 1.36                   | 25.11               |
| 20.270        | 1.43                   | 27.22               |
| 21.269        | 1.52                   | 29.04               |
| 22.267        | 1.61                   | 29.63               |
| 24.264        | 1.86                   | 24.48               |
| 25.263        | 2.02                   | 20.96               |
| 26.261        | 2.21                   | 18.08               |
| 28.258        | 2.69                   | 15.27               |
| 33.251        | 9.14                   | 5.01                |
| 40.240        | 31.98                  | 0.79                |
| 54.219        | 62.59                  | 0.31                |
| 66.201        | 89.03                  | 0.26                |
| 80.180        | 75.27                  | 0.26                |
| 90.165        | 73.20                  | 0.27                |
| 112.132       | 69.98                  | 0.30                |
| 130.105       | 68.52                  | 0.32                |
| 150.075       | 66.82                  | 0.34                |
| 182.027       | 64.80                  | 0.36                |
| 200.000       | 63.84                  | 0.36                |

**Product Control:**

|                      |                |               |               |
|----------------------|----------------|---------------|---------------|
| Crystek Part Number: | CLPFL-0025-BNC | Release Date: | 01-Jun-2015   |
| Revision Level:      | C              | Responsible:  | K. Piotrowicz |

Rev D

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# Mouser Electronics

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