



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

High Pass Filter  
50Ω SMA  
7<sup>th</sup> Order

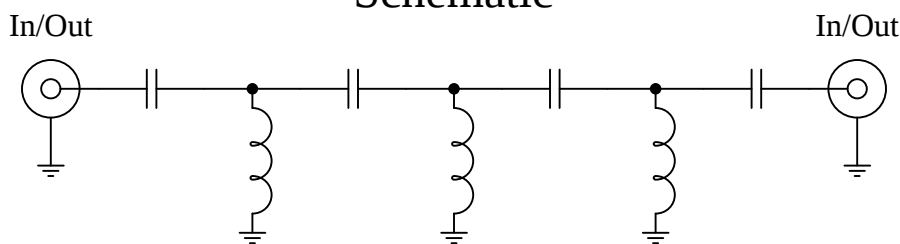


Part Number: CHPFL-0500

**New**  
**High Pass Filters**



### Schematic



### Features:

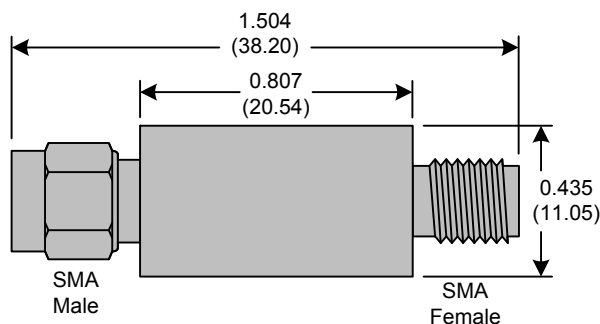
- 7<sup>th</sup> Order Butterworth Response
- 50Ω SMA Connectors

### Applications:

- Test Equipment
- Lab Use

### Maximum Ratings:

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



Crystek's new line of High Pass Filters are designed in a rugged SMA housing. This filter line has excellent out-of-band rejection. Designed for Test Equipment and General Lab Use.



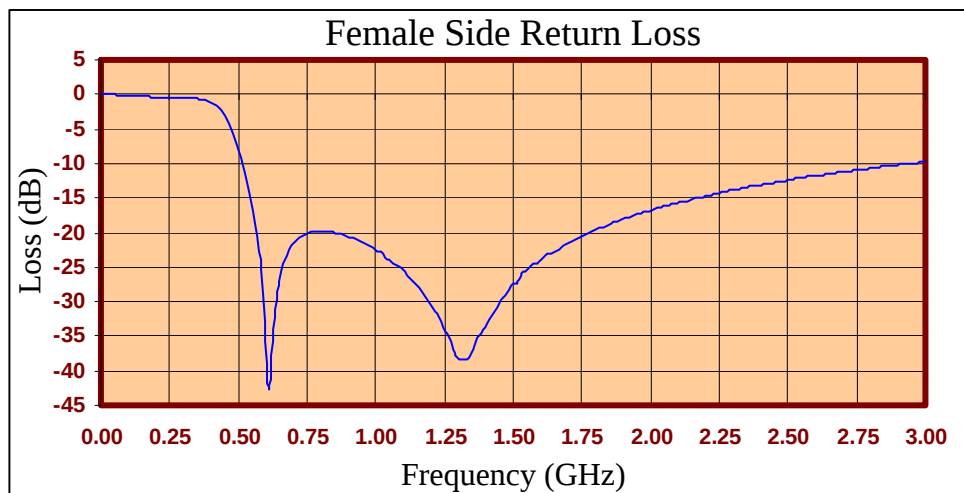
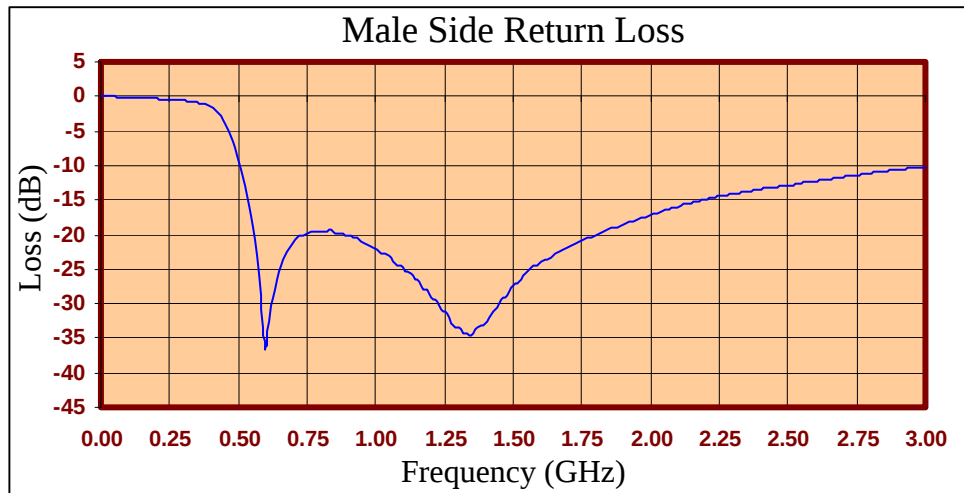
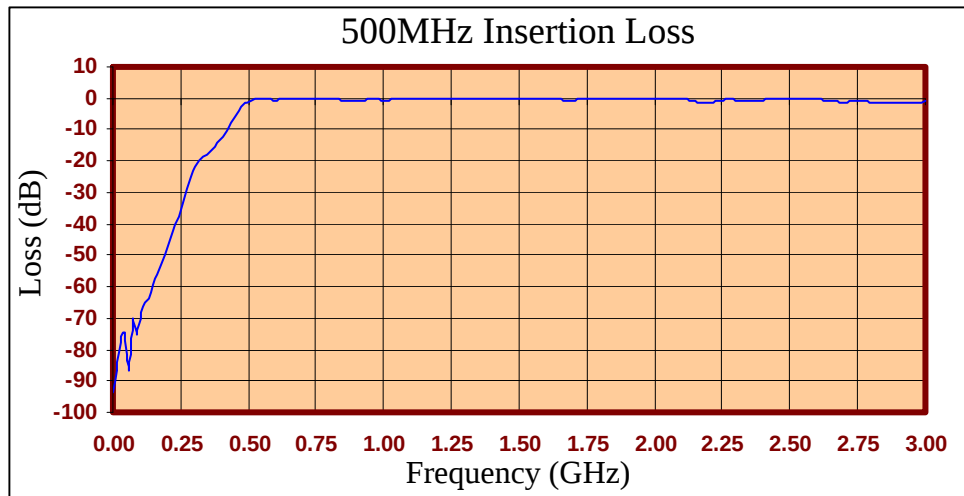
**CRYSTEK**  
CORPORATION

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CHPFL-0500



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| FREQ<br>(MHz) | INSERTION LOSS<br>(dB) | Male Return Loss<br>(dB) | Female Return Loss<br>(dB) |
|---------------|------------------------|--------------------------|----------------------------|
| 0.3           | -112.15                | 0.00                     | 0.00                       |
| 15.3          | -96.62                 | -0.01                    | -0.01                      |
| 30.3          | -95.24                 | -0.02                    | -0.01                      |
| 45.3          | -97.99                 | -0.02                    | -0.02                      |
| 60.3          | -85.58                 | -0.06                    | -0.08                      |
| 75.3          | -82.62                 | -0.06                    | -0.09                      |
| 90.3          | -75.25                 | -0.08                    | -0.08                      |
| 105           | -69.15                 | -0.09                    | -0.11                      |
| 120           | -66.00                 | -0.13                    | -0.16                      |
| 135           | -64.64                 | -0.20                    | -0.20                      |
| 150           | -62.93                 | -0.20                    | -0.26                      |
| 165           | -59.84                 | -0.31                    | -0.33                      |
| 180           | -55.63                 | -0.31                    | -0.35                      |
| 195           | -50.32                 | -0.33                    | -0.36                      |
| 210           | -44.54                 | -0.35                    | -0.36                      |
| 225           | -40.93                 | -0.38                    | -0.37                      |
| 240           | -39.67                 | -0.42                    | -0.40                      |
| 255           | -38.15                 | -0.47                    | -0.44                      |
| 270           | -35.55                 | -0.52                    | -0.47                      |
| 285           | -31.85                 | -0.58                    | -0.51                      |
| 300           | -27.12                 | -0.62                    | -0.54                      |
| 330           | -19.31                 | -0.73                    | -0.60                      |
| 405           | -9.58                  | -1.72                    | -1.34                      |
| 450           | -5.44                  | -3.88                    | -3.18                      |
| 510           | -0.81                  | -10.62                   | -9.23                      |
| 585           | -0.73                  | -28.93                   | -25.35                     |
| 705           | -0.29                  | -20.71                   | -21.33                     |
| 810           | -0.19                  | -19.67                   | -19.92                     |
| 900           | -0.55                  | -20.25                   | -20.69                     |
| 1005          | -0.38                  | -22.15                   | -22.87                     |
| 1245          | -0.28                  | -31.09                   | -33.85                     |
| 1500          | -0.13                  | -27.51                   | -27.36                     |
| 1755          | 0.00                   | -20.75                   | -20.45                     |
| 1995          | -0.31                  | -17.24                   | -16.86                     |
| 2250          | -0.83                  | -14.51                   | -14.28                     |
| 2505          | -0.80                  | -12.90                   | -12.38                     |
| 2745          | -1.14                  | -11.43                   | -10.97                     |
| 3000          | -1.51                  | -10.21                   | -9.76                      |

**Product Control:**

|                      |            |               |               |
|----------------------|------------|---------------|---------------|
| Crystek Part Number: | CHPFL-0500 | Release Date: | 22-Mar-11     |
| Revision Level:      | B          | Responsible:  | K. Piotrowicz |



# Mouser Electronics

Authorized Distributor

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