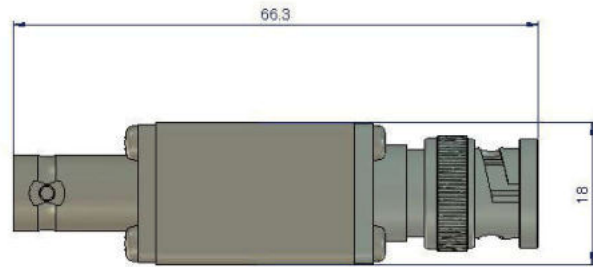


GF Series – Appearance and Dimensional Outline

Model No. (Specifications)
GF-4BL020B (4th-order Bessel Filter,20MHz)
GF-4BL500B (4th-order Bessel Filter,500MHz)
GF-4BL750B (4th-order Bessel Filter,750MHz)
GF-4BL938B (4th-order Bessel Filter,938MHz)

Model No. (Specifications)
GF-5BL002B (5th-order Bessel Filter,2MHz)
GF-5BL005B (5th-order Bessel Filter,5MHz)
GF-5BL010B (5th-order Bessel Filter,10MHz)
GF-BPF_24K-6R3MB
(Band-pass filter, 24 kHz – 6.3 MHz)



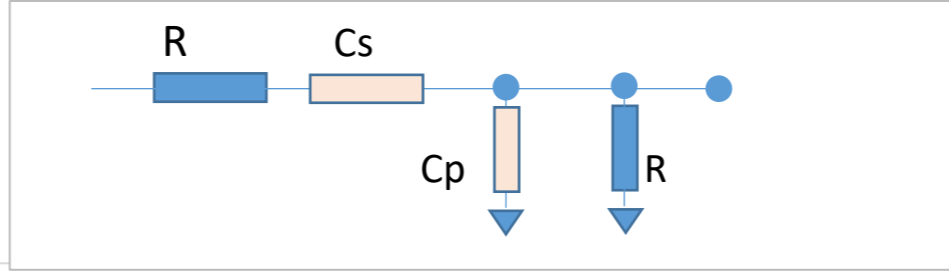
BNC-J (Jack)

BNC-P (Plug)



Passive Cs-Cp BPF

R= 50
 Cs= 6.80E-08
 Cp= 1.00E-09



| Frequency [Hz] | omega [rad/s] | Real | Imaginary | Absolute | Response [dB] |
|----------------|---------------|-----------|-----------|-----------|---------------|
| 1.00E+03 | 6.28E+03 | 0.0009178 | 0.0213235 | 0.0213432 | -33.41480365 |
| 1.20E+03 | 7.54E+03 | 0.0013205 | 0.0255674 | 0.0256015 | -31.8214905 |
| 1.50E+03 | 9.42E+03 | 0.0020602 | 0.0319117 | 0.0319782 | -29.8214905 |
| 1.80E+03 | 1.13E+04 | 0.0029614 | 0.0382245 | 0.038339 | -27.8214905 |
| 2.20E+03 | 1.38E+04 | 0.0044109 | 0.0465821 | 0.0467905 | -25.8214905 |
| 2.70E+03 | 1.70E+04 | 0.0066141 | 0.0569138 | 0.0572968 | -23.8214905 |
| 3.30E+03 | 2.07E+04 | 0.0098162 | 0.0691082 | 0.0698019 | -21.8214905 |
| 3.90E+03 | 2.45E+04 | 0.0136043 | 0.0810397 | 0.0821737 | -19.8214905 |
| 4.70E+03 | 2.95E+04 | 0.0195178 | 0.0964714 | 0.098426 | -17.8214905 |
| 5.60E+03 | 3.52E+04 | 0.0272618 | 0.1130849 | 0.1163246 | -15.8214905 |
| 6.80E+03 | 4.27E+04 | 0.0391835 | 0.1338409 | 0.1394587 | -13.8214905 |
| 8.20E+03 | 5.15E+04 | 0.0550204 | 0.1558274 | 0.1652556 | -11.8214905 |
| 1.00E+04 | 6.28E+04 | 0.077663 | 0.1803233 | 0.1963365 | -9.8214905 |
| 1.20E+04 | 7.54E+04 | 0.10468 | 0.2024847 | 0.2279429 | -7.8214905 |
| 1.50E+04 | 9.42E+04 | 0.146329 | 0.2263146 | 0.2695004 | -5.8214905 |
| 1.80E+04 | 1.13E+05 | 0.1866742 | 0.2404341 | 0.3043942 | -3.8214905 |
| 2.20E+04 | 1.38E+05 | 0.2354467 | 0.2478486 | 0.3418538 | -1.8214905 |
| 2.40E+04 | 1.51E+05 | 0.2571794 | 0.2480118 | 0.3572829 | -0.8214905 |
| 2.70E+04 | 1.70E+05 | 0.2863643 | 0.2452193 | 0.3770107 | 0.1785095 |
| 3.30E+04 | 2.07E+05 | 0.333458 | 0.2330617 | 0.4068316 | 1.1785095 |
| 3.90E+04 | 2.45E+05 | 0.3682915 | 0.2171704 | 0.4275531 | 2.1785095 |
| 4.70E+04 | 2.95E+05 | 0.4011929 | 0.1953881 | 0.4462423 | 3.1785095 |
| 5.60E+04 | 3.52E+05 | 0.4260625 | 0.1730521 | 0.4598655 | 4.1785095 |
| 6.80E+04 | 4.27E+05 | 0.4473188 | 0.1480971 | 0.4711972 | 5.1785095 |
| 8.20E+04 | 5.15E+05 | 0.4624948 | 0.125132 | 0.4791237 | 6.1785095 |
| 1.00E+05 | 6.28E+05 | 0.474078 | 0.1027562 | 0.4850864 | 7.1785095 |
| 1.20E+05 | 7.54E+05 | 0.4816165 | 0.0842382 | 0.4889279 | 8.1785095 |
| 1.50E+05 | 9.42E+05 | 0.4879126 | 0.0641631 | 0.4921134 | 9.1785095 |
| 1.80E+05 | 1.13E+06 | 0.4913371 | 0.0496307 | 0.4938374 | 10.1785095 |
| 2.20E+05 | 1.38E+06 | 0.4938395 | 0.0352133 | 0.4950933 | 11.1785095 |
| 2.70E+05 | 1.70E+06 | 0.4953934 | 0.0217731 | 0.4958717 | 12.1785095 |
| 3.30E+05 | 2.07E+06 | 0.4961722 | 0.009402 | 0.4962613 | 13.1785095 |
| 3.90E+05 | 2.45E+06 | 0.4963496 | -0.000615 | 0.49635 | 14.1785095 |
| 4.70E+05 | 2.95E+06 | 0.4960681 | -0.011833 | 0.4962092 | 15.1785095 |
| 5.60E+05 | 3.52E+06 | 0.4953099 | -0.022701 | 0.4958299 | 16.1785095 |
| 6.80E+05 | 4.27E+06 | 0.4938 | -0.035488 | 0.4950735 | 17.1785095 |
| 8.20E+05 | 5.15E+06 | 0.4914816 | -0.048917 | 0.49391 | 18.1785095 |
| 1.00E+06 | 6.28E+06 | 0.4877614 | -0.064725 | 0.4920371 | 19.1785095 |
| 1.20E+06 | 7.54E+06 | 0.4827641 | -0.080987 | 0.4895101 | 20.1785095 |
| 1.50E+06 | 9.42E+06 | 0.473751 | -0.103472 | 0.4849191 | 21.1785095 |
| 1.80E+06 | 1.13E+07 | 0.4631423 | -0.124016 | 0.4794589 | 22.1785095 |
| 2.20E+06 | 1.38E+07 | 0.4469407 | -0.148604 | 0.4709981 | -6.539617112 |
| 2.70E+06 | 1.70E+07 | 0.4242002 | -0.174946 | 0.4588593 | -6.766408296 |
| 3.30E+06 | 2.07E+07 | 0.3946821 | -0.200316 | 0.4426066 | -7.07964197 |
| 3.90E+06 | 2.45E+07 | 0.3642611 | -0.219351 | 0.4252072 | -7.427988625 |

Response of Passive Cs-Cp BPF

