

CRYSTEK
MICROWAVE
A DIVISION OF CRYSTEK CORPORATION

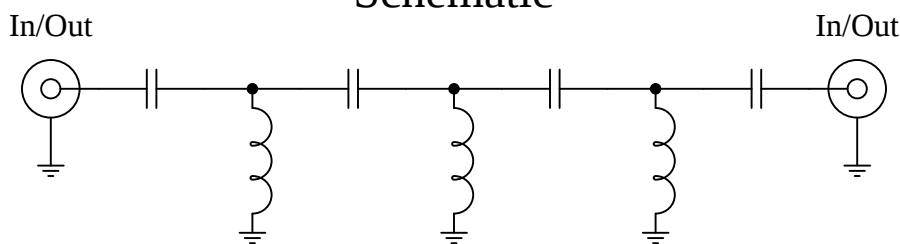
High Pass Filter
50Ω SMA
7th Order



Part Number: CHPFL-0500



Schematic



Features:

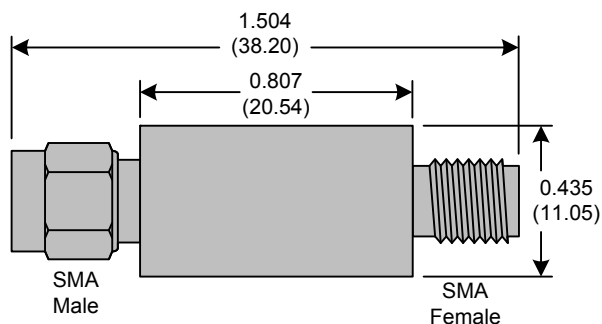
- 7th Order Butterworth Response
- 50Ω SMA Connectors

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 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.

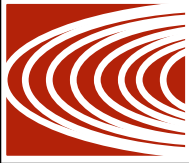
Rev E

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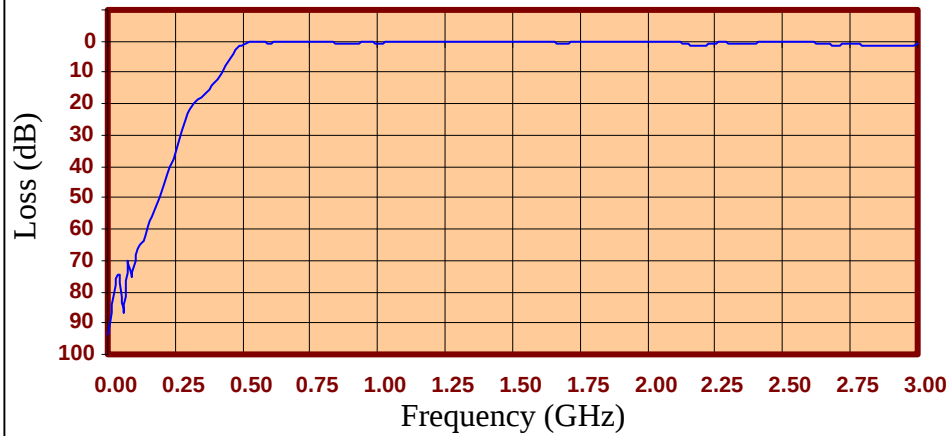


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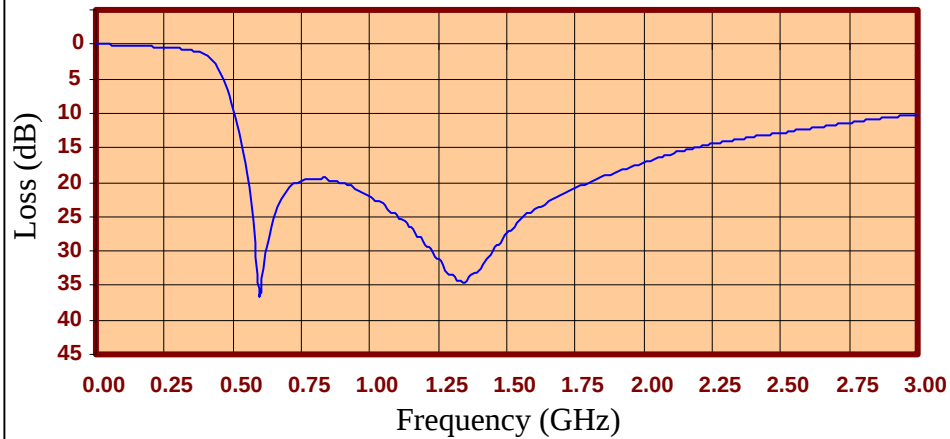
12730 COMMONWEALTH DRIVE • FORT MYERS, FLORIDA 33913
PHONE: 239-561-3311 • 800-237-3061
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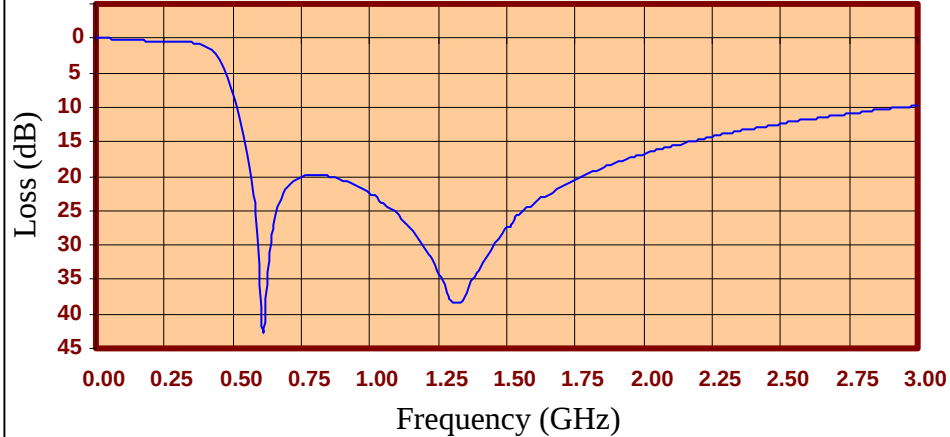
500MHz Insertion Loss

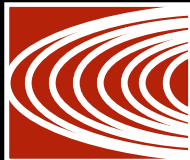


Male Side Return Loss



Female Side Return Loss





FREQ (MHz)	INSERTION LOSS (dB)	Male Return Loss (dB)	Female Return Loss (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	0.03
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	0.21	0.20
150	62.93	0.21	0.26
165	59.84	0.31	0.33
180	55.63	0.31	0.35
195	50.32	0.34	0.36
210	44.54	0.35	0.36
225	40.93	0.38	0.37
240	39.67	0.42	0.41
255	38.15	0.47	0.45
270	35.55	0.52	0.48
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	9.77

Product Control:

Crystek Part Number:	CHPFL-0500	Release Date:	18-Aug-2015
Revision Level:	E	Responsible:	K. Piotrowicz

Rev E

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Mouser Electronics

Authorized Distributor

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