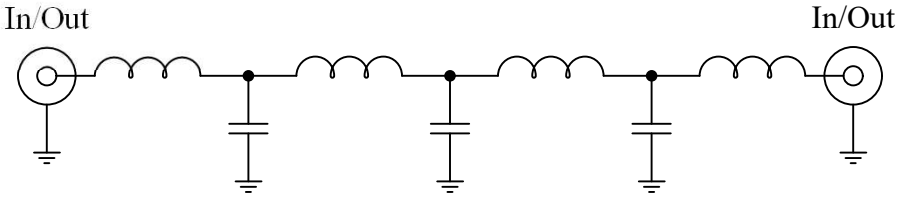
CRYSTEK MICROWAVE
A Division of Crystek Corporation

Low Pass Filter
CLPFL-0500
50Ω SMA
7th Order
Low Pass Range
DC to 500 MHz

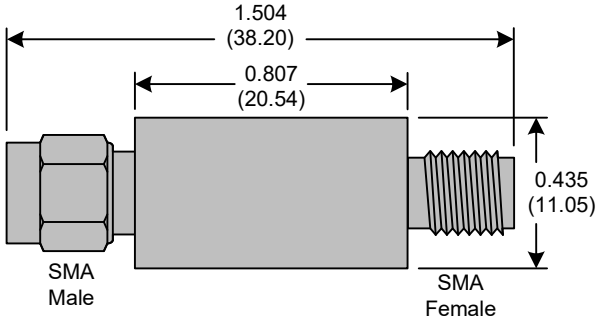


Schematic



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 new line of Low 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.

Product Control:			
Crystek Part Number:	CLPFL-0500	Release Date:	21-Apr-2026
Revision Level:	D	Responsible:	K. Piotrowicz

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16850 Oriole Road • Fort Myers, Florida 33912
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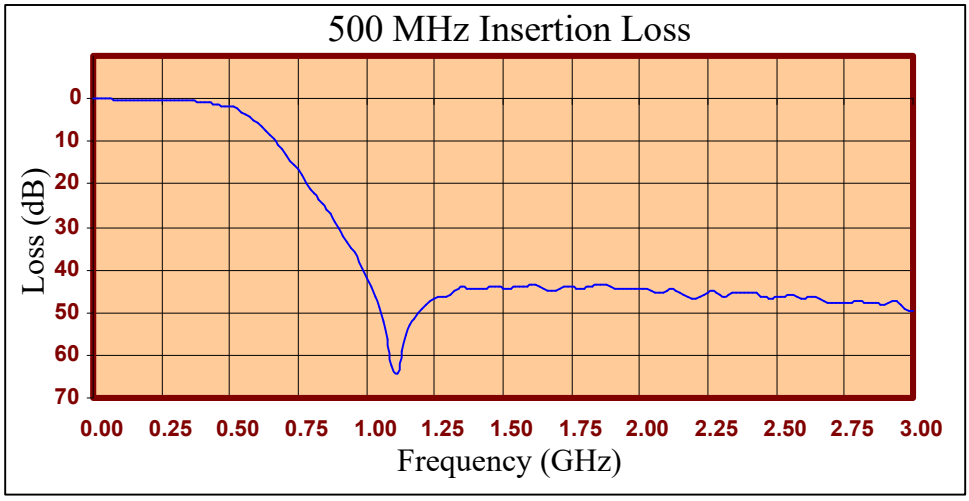

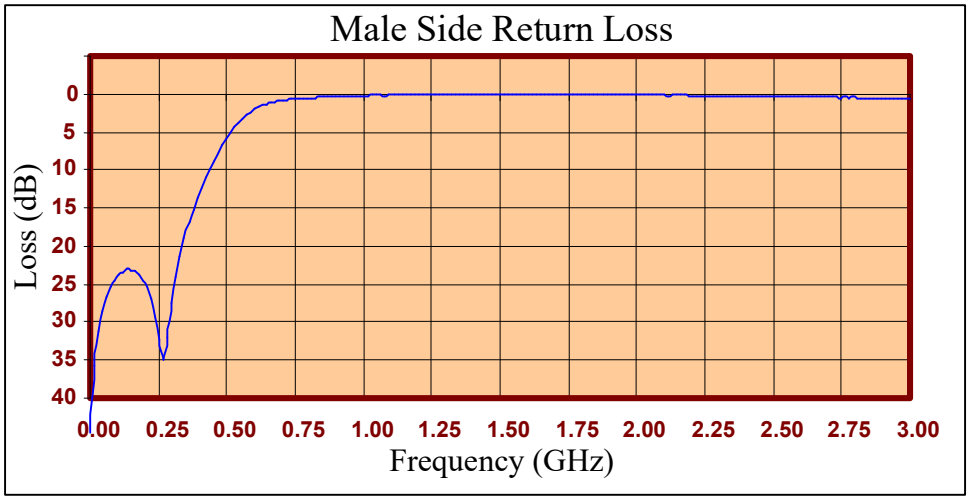

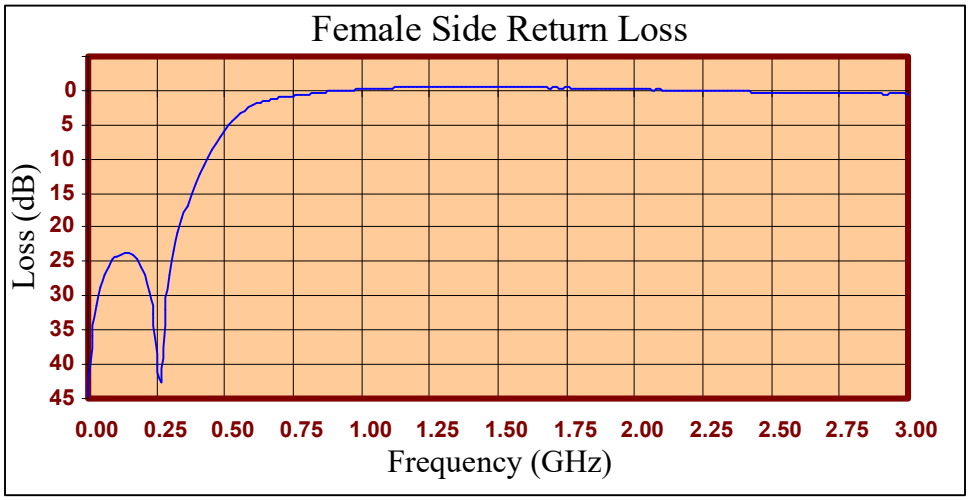

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FREQ (MHz)	INSERTION LOSS (dB)	Male Return Loss (dB)	Female Return Loss (dB)
0.3	0.06	44.53	44.82
15.3	0.06	35.82	35.86
30.3	0.12	31.25	31.36
45.3	0.14	28.60	28.69
60.3	0.16	26.74	26.94
75.3	0.21	25.42	25.72
90.3	0.20	24.58	24.73
105	0.24	23.74	24.19
120	0.24	23.42	23.86
135	0.27	23.05	23.76
150	0.30	23.17	23.68
165	0.29	23.29	24.02
180	0.31	23.70	24.72
195	0.35	24.48	25.81
210	0.30	25.45	27.07
225	0.37	27.06	29.31
240	0.33	29.25	32.68
255	0.37	32.23	40.16
270	0.40	34.88	42.38
285	0.41	32.00	31.85
300	0.44	27.61	27.03
330	0.47	21.36	20.74
405	0.90	12.34	12.25
450	1.59	8.74	8.73
510	2.27	5.14	5.17
585	6.09	2.36	2.47
705	15.09	0.83	1.03
810	24.16	0.51	0.51
900	32.22	0.33	0.16
1005	44.82	0.23	-0.21
1245	46.09	0.06	-0.51
1500	44.09	0.03	-0.54
1755	43.83	0.07	-0.44
1995	44.15	0.11	-0.18
2250	45.13	0.23	0.05
2505	46.30	0.33	0.25
2745	47.77	0.46	0.37
3000	49.50	0.58	0.51

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Crystek Corporation reserves the right to make changes to its products and/or information contained herein without notice. No liability is assumed as a result of its use or application.

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