

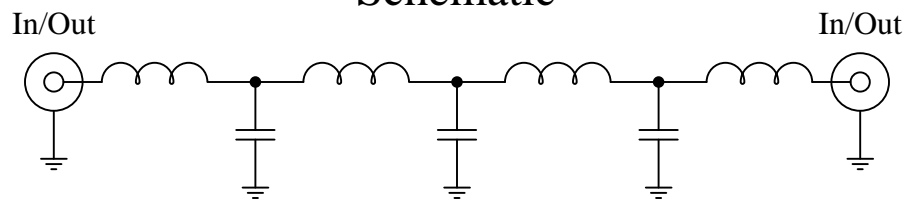
**New**  
**Low Pass Filters**

Part Number: CLPFL-0300

Low Pass Range  
DC to 300MHz



### Schematic



### Features:

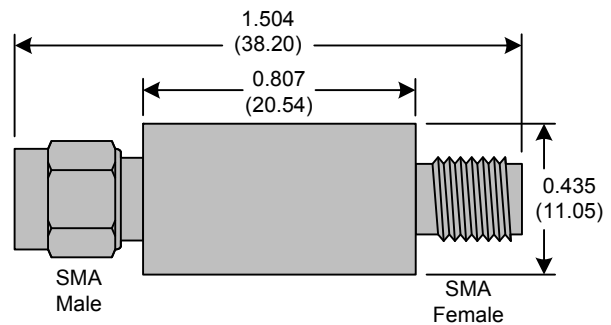
- 7<sup>th</sup> Order Butterworth Response
- 50Ω SMA Connectors

### Applications:

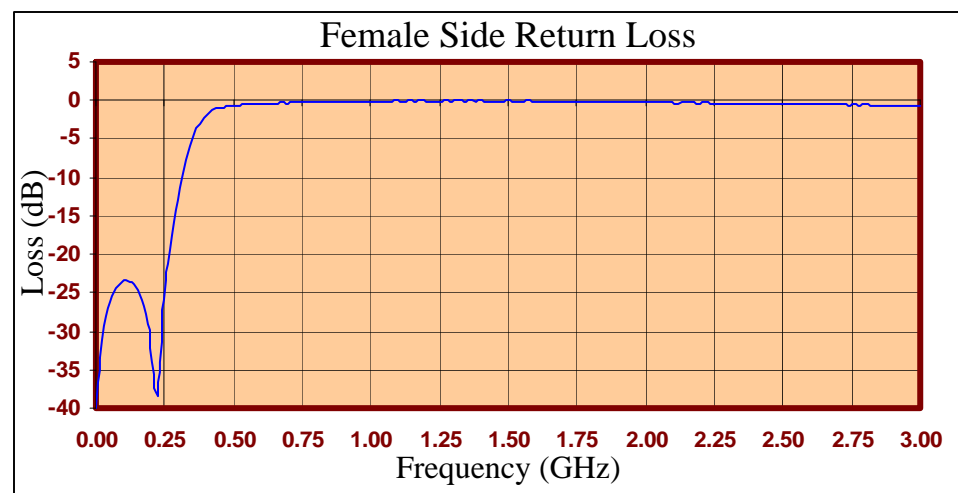
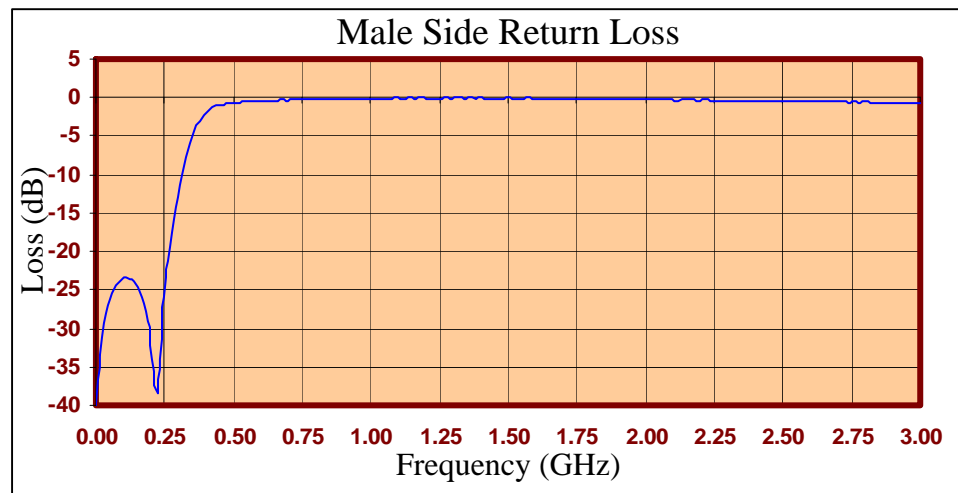
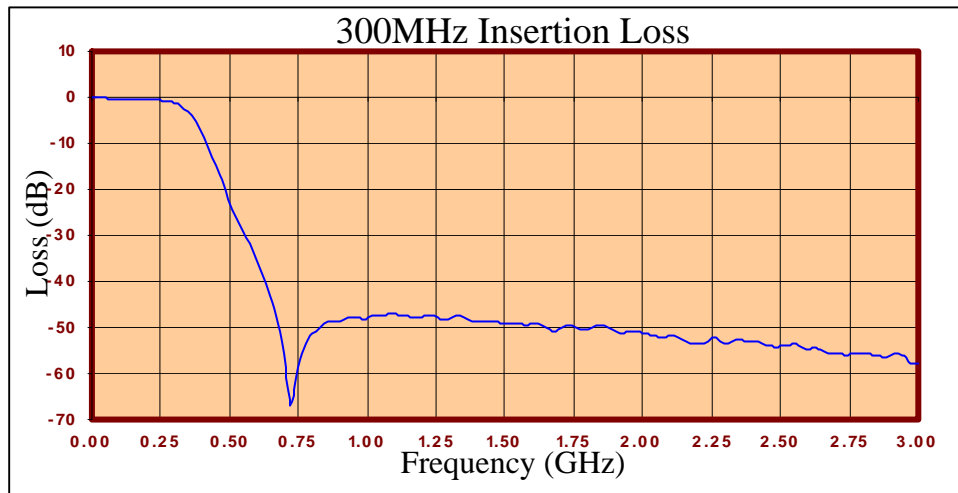
- Test Equipment
- Lab Use

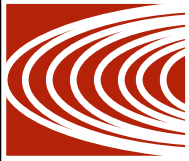
### Maximum Ratings:

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



Crystek's new line of 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.





FREQ (MHz)	INSERTION LOSS (dB)	Male Return Loss (dB)	Female Return Loss (dB)
0.3	-0.10	-40.05	-39.82
15.3	-0.10	-33.41	-33.46
30.3	-0.19	-29.25	-29.35
45.3	-0.21	-26.90	-26.83
60.3	-0.25	-25.39	-25.35
75.3	-0.31	-24.38	-24.45
90.3	-0.30	-23.91	-23.84
105	-0.35	-23.45	-23.67
120	-0.37	-23.65	-23.81
135	-0.40	-23.90	-24.24
150	-0.45	-24.72	-25.00
165	-0.43	-25.98	-26.27
180	-0.47	-27.81	-28.24
195	-0.53	-31.02	-31.37
210	-0.51	-36.80	-38.11
225	-0.61	-38.31	-41.23
240	-0.62	-29.06	-29.68
255	-0.71	-23.42	-24.02
270	-0.82	-19.33	-20.03
285	-0.95	-15.87	-16.43
300	-1.16	-12.88	-13.34
330	-2.12	-7.82	-8.23
405	-8.84	-1.76	-1.87
450	-14.74	-0.95	-1.04
510	-24.32	-0.63	-0.60
585	-33.83	-0.44	-0.27
705	-58.64	-0.30	-0.08
810	-50.67	-0.26	0.00
900	-48.73	-0.11	0.00
1005	-47.89	-0.14	0.00
1245	-47.56	-0.08	0.00
1500	-49.25	-0.06	0.00
1755	-50.04	-0.18	-0.15
1995	-51.19	-0.22	-0.36
2250	-52.29	-0.34	-0.67
2505	-54.06	-0.45	-0.96
2745	-56.02	-0.59	-1.32
3000	-57.97	-0.68	-1.81

**Product Control:**

Crystek Part Number:	CLPFL-0300	Release Date:	30-Mar-10
Revision Level:	A	Responsible:	K. Piotrowicz

