

# Coaxial High Pass Filter

# VHF-4400+

## Typical Performance Data

FREQ. (MHz)	INSERTION LOSS (dB)			INPUT RETURN LOSS (dB)			OUTPUT RETURNLOSS (dB)		
	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C	@ -55° C	@ +25° C	@ +100° C
50	61.79	60.59	61.18	0.02	0.02	0.02	0.01	0.01	0.00
100	54.76	54.62	54.97	0.03	0.03	0.02	0.02	0.01	0.01
200	49.34	49.09	48.71	0.03	0.02	0.00	0.00	0.01	0.02
500	41.42	41.41	41.43	0.05	0.02	0.00	0.03	0.00	0.01
1000	36.72	36.75	36.84	0.04	0.02	0.05	0.02	0.03	0.05
1500	35.93	36.10	36.25	0.01	0.07	0.11	0.02	0.08	0.12
2000	39.86	40.46	41.00	0.09	0.17	0.20	0.06	0.12	0.16
2500	46.69	45.12	43.78	0.12	0.20	0.24	0.13	0.21	0.24
3000	32.19	31.93	31.64	0.14	0.25	0.31	0.18	0.28	0.34
3500	31.73	32.77	33.92	0.19	0.34	0.45	0.33	0.46	0.57
3600	35.50	37.78	39.64	0.30	0.46	0.58	0.32	0.48	0.60
3800	30.19	27.32	25.05	0.35	0.56	0.74	0.46	0.65	0.83
3900	22.71	20.84	19.20	0.47	0.69	0.94	0.58	0.81	1.04
4000	17.15	15.72	14.40	0.63	0.91	1.23	0.78	1.09	1.39
4100	12.69	11.49	10.43	1.02	1.41	1.86	1.15	1.59	2.05
4200	8.76	7.79	6.99	1.63	2.24	2.92	1.93	2.62	3.33
4300	5.65	4.98	4.48	3.00	3.93	4.93	3.36	4.46	5.56
4400	3.26	2.95	2.74	5.34	6.69	8.06	6.12	7.76	9.42
4500	1.89	1.84	1.84	9.04	10.76	12.36	10.62	13.11	15.67
4600	1.22	1.32	1.42	13.64	15.11	16.16	17.92	21.85	24.73
4700	0.93	1.10	1.24	16.86	16.66	16.55	24.01	22.00	20.12
5000	0.74	0.93	1.09	14.11	13.98	13.90	14.48	14.25	13.98
5600	0.44	0.63	0.80	18.45	18.29	17.78	18.47	17.97	17.41
6000	0.32	0.50	0.66	26.78	29.72	27.55	24.55	26.82	25.97
7000	0.28	0.50	0.68	21.64	20.02	18.97	21.44	19.64	18.17
8000	0.35	0.50	0.65	15.70	18.99	21.26	15.60	18.80	21.36
9000	0.24	0.47	0.67	27.62	33.53	30.02	25.27	32.38	30.71
9900	0.34	0.63	0.84	15.30	15.24	15.65	15.51	15.98	17.15
10100	0.43	0.72	0.91	13.10	13.25	13.91	13.35	13.82	15.00
10500	0.61	0.94	1.16	10.28	10.56	10.74	10.89	10.90	11.42
10900	0.90	1.32	1.58	8.57	8.40	8.38	9.08	8.71	8.83
11900	2.24	3.21	3.81	5.66	5.16	5.12	8.11	7.51	6.45
13000	3.55	3.42	3.63	3.14	3.60	3.79	2.86	3.45	3.61
14000	3.62	2.77	2.21	2.86	4.53	6.82	2.67	4.24	6.14
15000	0.97	1.33	1.44	11.39	11.68	14.15	9.35	9.84	12.50
16000	1.56	2.77	3.81	7.94	6.42	5.28	8.84	5.68	4.70
17000	8.69	10.19	12.15	0.95	1.36	1.77	1.11	1.15	1.00
18000	28.78	31.80	33.00	0.28	0.61	1.05	0.12	0.62	0.73
19000	13.94	12.50	11.81	0.50	1.17	1.42	0.46	1.35	2.71
20000	8.29	10.92	13.02	2.14	1.89	1.80	2.80	2.30	2.64

REV. X1  
VHF-4400+  
071010  
Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant  
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

