

# Ceramic Balance Filter

# BBFCG1-252+

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (deg.)
500	47.45	0.01	5.69	156.12
600	45.76	0.01	5.85	159.31
700	44.41	0.01	5.95	161.63
800	43.17	0.02	6.08	163.27
900	42.07	0.03	6.14	164.44
1000	41.01	0.04	6.31	165.18
1100	40.06	0.05	6.35	165.87
1200	39.15	0.06	6.45	166.29
1300	38.41	0.08	6.56	166.73
1400	37.69	0.10	6.56	167.07
1500	37.18	0.13	6.50	167.44
1600	36.98	0.16	6.27	167.99
1700	37.28	0.19	5.66	169.78
1800	38.94	0.25	4.45	173.13
1900	46.68	0.32	1.83	178.66
2000	36.33	0.45	3.63	156.15
2100	23.57	0.72	8.21	72.13
2200	13.08	1.64	2.62	23.18
2300	4.45	7.09	0.24	8.92
2400	2.05	24.38	0.38	2.83
2408	2.01	25.09	0.38	2.54
2416	1.97	25.69	0.38	2.22
2424	1.94	26.23	0.39	1.93
2432	1.92	26.88	0.39	1.68
2440	1.90	27.59	0.40	1.43
2448	1.88	28.37	0.40	1.25
2456	1.86	28.98	0.39	1.10
2464	1.85	29.08	0.38	0.95
2472	1.84	28.35	0.36	0.79
2480	1.84	26.99	0.35	0.64
2488	1.83	25.36	0.34	0.56
2496	1.83	23.71	0.33	0.50
2500	1.83	22.94	0.32	0.50
2600	2.08	12.67	0.18	0.40
2700	2.89	8.10	0.29	1.30
2800	6.07	3.08	0.96	0.22
2900	11.57	1.14	3.67	12.16
3000	16.99	0.64	13.14	31.29
3200	25.59	0.40	10.18	172.09
3400	31.77	0.35	4.96	174.56
3600	36.23	0.36	3.08	176.83
3800	39.35	0.37	2.19	177.89
4000	41.43	0.38	1.79	178.90
4200	42.71	0.38	1.58	179.40
4400	43.63	0.38	1.44	179.90
4600	44.24	0.38	1.39	179.63
4800	45.05	0.37	1.36	179.32
5000	45.90	0.36	1.35	178.90
5200	47.00	0.35	1.42	178.48
5400	48.31	0.40	1.62	177.26
5600	50.07	0.73	1.05	167.81
5800	58.23	1.20	0.09	176.80
6000	49.51	0.75	1.14	179.71
6200	38.23	1.43	1.01	176.69
6400	32.18	3.92	0.88	175.90
6600	37.35	1.43	0.78	175.42
6800	43.11	1.12	0.72	174.87
7000	48.74	1.45	0.56	172.88
7200	41.18	2.70	0.24	174.36
7400	34.26	6.86	0.19	174.58
7600	31.54	9.74	0.10	174.92
7800	31.84	5.08	0.00	175.01
8000	33.05	3.49	0.12	175.19
8200	34.23	3.02	0.24	175.46
8400	35.04	3.01	0.37	175.61
8500	35.24	3.11	0.42	175.67



P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site



The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: [www.minicircuits.com](http://www.minicircuits.com)

IF/RF MICROWAVE COMPONENTS

REV. OR  
BBFCG1-252+  
10/23/2020  
Page 1 of 1