

Surface mount Band Pass Filter

CBP-1400BD+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
1	94.94	104.41	100.81	0.01	0.01	0.01	0.03	0.03	0.03
5	105.59	98.00	102.42	0.01	0.01	0.01	0.02	0.02	0.02
50	101.66	92.91	102.26	0.01	0.01	0.01	0.01	0.01	0.01
100	96.76	99.06	99.08	0.02	0.01	0.01	0.00	0.01	0.01
130	98.28	94.34	98.02	0.02	0.01	0.01	0.00	0.01	0.01
170	103.00	94.13	108.19	0.02	0.01	0.00	0.00	0.01	0.01
200	98.00	95.76	89.33	0.01	0.00	0.00	0.00	0.01	0.02
500	75.04	75.14	75.13	0.04	0.07	0.08	0.05	0.08	0.09
650	70.95	71.57	71.36	0.07	0.10	0.11	0.08	0.11	0.13
690	70.29	70.47	70.51	0.08	0.11	0.13	0.08	0.12	0.13
730	69.85	69.94	70.10	0.09	0.13	0.14	0.10	0.13	0.15
770	70.12	70.18	70.09	0.10	0.13	0.15	0.11	0.14	0.16
810	68.75	68.58	68.34	0.11	0.14	0.16	0.12	0.15	0.17
850	68.06	68.19	67.98	0.12	0.16	0.18	0.13	0.17	0.19
900	68.40	68.46	68.68	0.14	0.18	0.20	0.15	0.18	0.20
1050	71.04	71.29	70.87	0.22	0.27	0.29	0.23	0.28	0.30
1100	75.86	74.48	74.56	0.28	0.33	0.36	0.28	0.33	0.36
1210	32.91	32.58	32.35	0.67	0.78	0.86	0.68	0.78	0.85
1224	27.18	26.85	26.63	0.88	1.02	1.12	0.87	1.00	1.09
1230	24.59	24.26	24.04	1.11	1.28	1.40	1.08	1.25	1.36
1288	2.82	3.01	3.16	21.60	23.03	24.32	18.58	19.36	20.15
1300	2.20	2.40	2.54	38.47	37.02	35.12	29.14	29.31	29.49
1310	1.95	2.14	2.28	30.53	30.64	30.13	34.20	34.30	33.38
1320	1.78	1.96	2.11	30.29	30.70	30.44	38.47	37.93	36.78
1330	1.66	1.84	1.98	31.09	31.72	31.44	38.64	37.37	36.82
1390	1.33	1.49	1.62	28.07	28.64	30.14	27.83	28.78	30.66
1400	1.30	1.46	1.59	34.84	36.06	37.50	34.67	37.75	42.71
1410	1.28	1.44	1.58	39.73	35.46	33.72	41.04	36.79	35.04
1420	1.28	1.44	1.58	29.31	28.13	27.94	29.42	28.32	28.27
1430	1.28	1.45	1.59	26.13	25.63	25.95	26.18	25.79	26.30
1440	1.30	1.47	1.61	26.16	26.02	26.61	26.30	26.42	27.44
1450	1.32	1.49	1.64	29.16	28.85	28.75	30.46	31.08	32.30
1480	1.54	1.75	1.92	17.11	16.78	16.51	17.23	16.92	16.66
1490	1.68	1.90	2.09	16.45	16.48	16.38	16.27	16.29	16.21
1500	1.84	2.10	2.30	21.19	21.37	20.92	19.33	19.40	19.21
1510	2.32	2.70	2.95	14.54	13.38	13.21	13.67	12.71	12.61
1514	2.82	3.27	3.55	10.05	9.37	9.38	9.69	9.07	9.10
1550	17.13	17.71	17.80	0.71	0.81	0.90	0.71	0.81	0.90
1570	25.50	25.99	26.00	0.44	0.52	0.59	0.44	0.52	0.58
1580	29.34	29.80	29.78	0.37	0.45	0.51	0.38	0.45	0.51
1600	36.64	37.09	37.02	0.30	0.36	0.42	0.31	0.37	0.42
1610	40.25	40.69	40.62	0.27	0.34	0.39	0.28	0.34	0.39
1650	58.55	59.89	59.56	0.22	0.28	0.32	0.23	0.28	0.32
1660	69.51	72.30	71.83	0.22	0.27	0.31	0.22	0.27	0.31
1700	58.10	58.96	58.94	0.20	0.25	0.28	0.20	0.25	0.28
1770	55.89	55.85	55.70	0.19	0.24	0.27	0.19	0.24	0.27
1800	55.10	55.23	55.11	0.19	0.23	0.27	0.19	0.24	0.27
1850	55.64	55.55	55.46	0.18	0.23	0.27	0.18	0.24	0.26
1890	56.02	56.12	55.88	0.18	0.24	0.27	0.19	0.24	0.26
1900	56.13	56.28	56.00	0.18	0.23	0.27	0.19	0.24	0.27
1970	56.98	57.26	56.70	0.18	0.24	0.27	0.19	0.24	0.27
2000	57.35	57.64	57.06	0.19	0.25	0.29	0.19	0.24	0.28
2050	57.77	58.03	57.55	0.19	0.25	0.29	0.20	0.25	0.28
2090	58.73	58.80	58.26	0.19	0.25	0.29	0.20	0.26	0.29
2100	59.13	59.15	58.70	0.19	0.25	0.30	0.20	0.26	0.29
2170	60.32	60.48	59.83	0.20	0.27	0.32	0.22	0.28	0.31
2200	60.84	60.96	60.21	0.20	0.27	0.32	0.22	0.28	0.32
2250	61.02	61.13	60.50	0.22	0.30	0.35	0.24	0.31	0.35
2270	61.38	61.42	60.60	0.23	0.31	0.36	0.25	0.32	0.36
2300	61.70	61.81	61.20	0.26	0.34	0.40	0.28	0.35	0.39



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FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
1320	7.17	7.10	7.05
1322	7.07	7.01	6.96
1324	6.98	6.92	6.87
1326	6.89	6.84	6.79
1328	6.81	6.76	6.71
1330	6.74	6.69	6.64
1332	6.67	6.62	6.57
1334	6.60	6.55	6.51
1336	6.53	6.48	6.44
1338	6.47	6.43	6.39
1340	6.41	6.37	6.33
1342	6.36	6.32	6.28
1344	6.30	6.26	6.23
1346	6.25	6.21	6.18
1348	6.21	6.17	6.13
1350	6.16	6.12	6.09
1352	6.12	6.08	6.05
1354	6.08	6.05	6.01
1356	6.04	6.01	5.98
1358	6.00	5.97	5.94
1360	5.97	5.94	5.90
1362	5.94	5.91	5.88
1364	5.91	5.88	5.85
1366	5.88	5.85	5.82
1368	5.85	5.83	5.80
1370	5.83	5.80	5.78
1372	5.80	5.78	5.75
1374	5.78	5.76	5.73
1376	5.76	5.74	5.72
1378	5.74	5.72	5.70
1380	5.73	5.71	5.68
1382	5.71	5.69	5.67
1384	5.70	5.68	5.66
1386	5.68	5.66	5.64
1388	5.67	5.66	5.64
1390	5.66	5.65	5.63
1392	5.65	5.64	5.62
1394	5.65	5.64	5.61
1396	5.64	5.63	5.61
1398	5.64	5.63	5.60
1400	5.64	5.63	5.60
1402	5.64	5.63	5.60
1404	5.63	5.63	5.60
1410	5.64	5.64	5.61
1420	5.68	5.67	5.65
1430	5.74	5.73	5.71
1440	5.84	5.84	5.82
1450	6.00	6.01	5.99
1470	6.52	6.53	6.50
1474	6.65	6.66	6.63
1480	6.87	6.90	6.87