

# Surface mount Band Pass Filter

# CBP12-1030BE+

## 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	102.38	99.84	99.42	0.10	0.10	0.10	0.10	0.10	0.10
10	98.47	103.65	99.76	0.06	0.06	0.06	0.06	0.06	0.06
100	102.17	96.64	94.74	0.04	0.04	0.05	0.04	0.05	0.05
150	97.36	101.78	115.20	0.03	0.04	0.04	0.03	0.04	0.04
200	98.05	103.57	98.03	0.02	0.03	0.04	0.02	0.03	0.04
220	98.26	97.74	94.95	0.02	0.03	0.03	0.02	0.03	0.04
250	105.61	102.22	100.22	0.01	0.03	0.04	0.02	0.03	0.04
300	99.99	94.27	104.74	0.01	0.02	0.03	0.01	0.03	0.03
320	99.41	96.81	103.17	0.01	0.02	0.03	0.01	0.03	0.03
350	106.15	99.89	116.69	0.01	0.02	0.03	0.01	0.02	0.03
400	111.62	98.68	103.31	0.00	0.02	0.03	0.01	0.02	0.03
420	95.65	95.65	113.96	0.00	0.02	0.03	0.01	0.02	0.03
600	99.08	97.99	95.38	0.01	0.02	0.03	0.01	0.02	0.03
700	89.38	88.16	94.18	0.01	0.02	0.04	0.00	0.03	0.04
800	86.28	94.55	91.70	0.00	0.03	0.05	0.00	0.03	0.05
950	76.68	78.06	74.63	0.02	0.06	0.08	0.02	0.06	0.08
990	59.10	58.83	55.55	0.09	0.13	0.16	0.09	0.13	0.17
1000	47.63	47.31	46.33	0.14	0.19	0.23	0.15	0.20	0.24
1008	35.26	34.89	34.42	0.26	0.33	0.37	0.28	0.35	0.40
1014	23.01	22.55	22.21	0.55	0.66	0.74	0.58	0.73	0.83
1018	12.10	11.69	11.38	1.50	1.79	2.01	1.65	2.03	2.32
1020	6.24	6.08	5.93	3.81	4.41	4.90	4.24	5.06	5.75
1021	3.98	4.03	4.02	6.64	7.40	8.08	7.56	8.73	9.81
1027	1.45	1.66	1.81	23.92	25.34	25.67	19.29	19.88	19.85
1028	1.41	1.62	1.77	22.23	22.58	22.31	19.25	19.68	19.53
1029	1.38	1.60	1.74	20.16	20.51	20.34	19.05	19.58	19.46
1030	1.37	1.58	1.73	19.12	19.77	19.78	19.37	20.28	20.34
1031	1.36	1.57	1.72	19.13	20.09	20.29	20.75	22.42	22.87
1032	1.36	1.57	1.72	19.89	20.99	21.27	23.64	27.09	28.78
1033	1.37	1.59	1.75	20.81	21.51	21.61	27.65	32.71	35.28
1038	2.36	2.71	2.98	12.67	12.86	12.77	11.31	11.09	10.81
1039	3.56	3.98	4.30	7.30	7.39	7.36	6.77	6.68	6.55
1040	5.52	6.00	6.37	4.16	4.27	4.30	3.91	3.92	3.88
1043	13.55	14.01	14.37	1.02	1.15	1.21	0.98	1.07	1.12
1046	20.96	21.33	21.64	0.43	0.53	0.58	0.42	0.50	0.54
1050	28.89	29.18	29.44	0.20	0.28	0.32	0.20	0.27	0.30
1052	32.23	32.49	32.73	0.15	0.22	0.26	0.15	0.21	0.25
1100	71.35	71.60	70.29	0.01	0.03	0.06	0.00	0.04	0.06
1120	86.32	84.58	76.02	0.01	0.03	0.06	0.01	0.03	0.05
1140	77.75	79.94	87.20	0.02	0.03	0.05	0.01	0.04	0.06
1160	81.03	83.56	83.61	0.02	0.02	0.05	0.01	0.03	0.05
1180	78.98	79.85	84.70	0.02	0.03	0.05	0.01	0.03	0.05
1200	81.10	80.84	74.80	0.01	0.04	0.06	0.01	0.04	0.06
1240	78.78	78.77	73.29	0.01	0.03	0.06	0.00	0.04	0.06
1260	77.39	76.95	73.20	0.01	0.04	0.06	0.00	0.04	0.06
1280	76.05	77.99	73.47	0.01	0.03	0.06	0.01	0.04	0.06
1300	75.43	78.14	74.44	0.01	0.03	0.06	0.00	0.04	0.06
1320	75.16	77.91	76.16	0.01	0.03	0.06	0.00	0.04	0.06
1340	75.41	78.51	76.34	0.00	0.04	0.07	0.00	0.04	0.07
1360	75.14	77.99	77.66	0.00	0.04	0.07	0.01	0.05	0.07
1380	74.27	74.87	78.10	0.01	0.04	0.07	0.00	0.05	0.07
1400	74.89	74.83	77.24	0.00	0.04	0.07	0.00	0.05	0.07
1500	69.41	70.31	71.76	0.01	0.05	0.08	0.00	0.05	0.07
1550	66.84	67.47	65.07	0.01	0.06	0.09	0.01	0.05	0.08
1600	63.34	63.86	65.81	0.00	0.04	0.07	0.01	0.06	0.08
1650	66.42	66.17	71.98	0.01	0.06	0.09	0.02	0.06	0.09
1800	58.20	58.17	67.65	0.01	0.06	0.10	0.03	0.08	0.10
1900	62.67	65.55	62.60	0.01	0.06	0.09	0.03	0.08	0.10
1950	65.07	66.83	66.46	0.02	0.07	0.11	0.03	0.08	0.11
2000	62.95	64.91	62.52	0.02	0.08	0.11	0.03	0.09	0.13



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# Surface mount Band Pass Filter CBP12-1030BE+

## Typical Performance Data

FREQ.  (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
1022.0	72.62	70.43	69.25
1022.3	71.69	69.39	68.10
1022.5	70.42	68.12	66.80
1022.8	68.88	66.66	65.35
1023.0	67.23	65.11	63.85
1023.3	65.50	63.54	62.33
1023.5	63.75	61.97	60.85
1023.8	62.05	60.45	59.43
1024.0	60.47	59.06	58.15
1024.3	58.98	57.75	56.94
1024.5	57.65	56.60	55.88
1024.8	56.44	55.51	54.88
1025.0	55.37	54.55	54.00
1025.3	54.42	53.69	53.20
1025.5	53.59	52.93	52.51
1025.8	52.83	52.24	51.88
1026.0	52.19	51.64	51.32
1026.3	51.59	51.08	50.78
1026.5	51.05	50.57	50.30
1026.8	50.58	50.11	49.87
1027.0	50.15	49.72	49.48
1027.3	49.77	49.35	49.12
1027.5	49.40	49.00	48.79
1027.8	49.05	48.70	48.48
1028.0	48.76	48.41	48.20
1028.3	48.47	48.14	47.95
1028.5	48.23	47.90	47.73
1028.8	48.02	47.75	47.57
1029.0	47.83	47.57	47.40
1029.3	47.69	47.43	47.31
1029.5	47.53	47.31	47.21
1029.8	47.45	47.24	47.14
1030.0	47.38	47.20	47.13
1030.3	47.35	47.19	47.13
1030.5	47.35	47.22	47.20
1030.8	47.37	47.28	47.24
1031.0	47.42	47.34	47.34
1031.3	47.53	47.46	47.48
1031.5	47.67	47.61	47.61
1031.8	47.82	47.79	47.83
1032.0	48.02	47.98	48.03
1032.3	48.22	48.18	48.24
1032.5	48.45	48.44	48.50
1032.8	48.73	48.73	48.78
1033.0	49.06	49.04	49.11
1033.3	49.40	49.38	49.47
1033.5	49.78	49.76	49.84
1033.8	50.20	50.18	50.28
1034.0	50.66	50.63	50.74
1034.3	51.19	51.19	51.30
1034.5	51.78	51.79	51.91