

# Band Pass Filter

# CBP-1538J+

## 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	113.36	98.71	103.52	0.00	0.00	0.00	0.00	0.00	0.00
270	101.25	108.53	104.27	0.00	0.02	0.03	0.00	0.02	0.02
490	86.22	84.51	84.48	0.01	0.04	0.05	0.01	0.04	0.05
550	82.51	82.98	82.25	0.01	0.04	0.06	0.02	0.05	0.06
1000	64.66	64.85	65.03	0.06	0.12	0.14	0.09	0.14	0.17
1050	63.54	63.51	63.52	0.06	0.12	0.15	0.10	0.15	0.18
1240	51.78	51.61	51.70	0.11	0.17	0.20	0.15	0.22	0.25
1330	40.16	39.97	39.86	0.15	0.23	0.26	0.20	0.27	0.31
1360	35.02	34.78	34.60	0.19	0.26	0.30	0.23	0.31	0.35
1415	22.96	22.53	22.19	0.32	0.43	0.49	0.38	0.49	0.55
1435	17.23	16.71	16.29	0.50	0.64	0.74	0.56	0.71	0.81
1450	12.25	11.66	11.21	0.87	1.11	1.29	0.94	1.19	1.37
1465	6.81	6.28	5.93	2.14	2.72	3.15	2.26	2.85	3.30
1470	5.09	4.66	4.40	3.15	3.95	4.55	3.31	4.14	4.76
1475	3.58	3.30	3.15	4.74	5.86	6.66	4.98	6.15	6.99
1481	2.21	2.15	2.13	7.84	9.46	10.51	8.29	10.05	11.20
1486	1.51	1.58	1.64	11.81	13.91	15.12	12.80	15.36	16.83
1493	1.07	1.23	1.34	19.41	21.29	22.32	26.00	33.36	34.71
1494	1.04	1.21	1.31	20.23	21.71	22.70	29.22	34.07	33.59
1495	1.01	1.19	1.29	20.72	21.77	22.77	31.01	30.61	30.40
1505	0.93	1.10	1.19	17.05	18.09	19.98	17.66	18.40	19.91
1508	0.93	1.09	1.17	16.38	17.76	19.97	16.67	17.78	19.52
1512	0.91	1.06	1.14	16.11	17.96	20.74	16.16	17.70	19.76
1518	0.88	1.02	1.10	16.81	19.60	23.92	16.59	18.82	21.41
1519	0.87	1.01	1.10	17.04	20.05	24.78	16.78	19.14	21.80
1520	0.86	1.00	1.09	17.32	20.55	25.79	17.02	19.52	22.22
1528	0.79	0.95	1.05	21.12	28.38	41.25	20.11	23.75	24.39
1533	0.75	0.93	1.05	26.01	52.54	26.33	23.40	25.85	22.56
1534	0.75	0.92	1.05	27.46	40.07	25.04	24.17	25.79	22.02
1538	0.73	0.92	1.06	37.87	27.72	21.33	27.01	24.10	19.98
1541	0.73	0.93	1.07	36.57	24.02	19.50	27.34	22.34	18.69
1545	0.72	0.93	1.08	27.69	21.06	17.81	25.26	20.34	17.39
1554	0.74	0.96	1.11	21.35	18.07	16.13	21.05	17.95	16.04
1557	0.74	0.96	1.11	20.63	17.81	16.12	20.45	17.75	16.08
1559	0.74	0.96	1.11	20.42	17.83	16.28	20.29	17.81	16.27
1568	0.75	0.96	1.09	22.39	20.35	19.25	22.07	20.34	19.33
1576	0.76	0.98	1.12	35.13	30.11	28.01	27.68	27.75	27.29
1577	0.77	0.99	1.13	36.05	30.56	27.93	27.39	27.66	26.97
1580	0.80	1.03	1.18	26.64	24.70	22.81	23.61	23.31	22.19
1582	0.84	1.07	1.24	22.30	20.87	19.40	20.71	20.11	19.02
1584	0.88	1.14	1.32	19.13	17.91	16.67	18.16	17.43	16.41
1592	1.28	1.63	1.91	11.22	10.39	9.62	10.97	10.26	9.54
1595	1.54	1.94	2.27	9.28	8.55	7.90	9.10	8.47	7.85
1602	2.41	2.95	3.39	5.95	5.46	5.05	5.86	5.43	5.02
1610	3.86	4.53	5.06	3.59	3.33	3.11	3.55	3.32	3.10
1620	6.11	6.86	7.44	1.97	1.89	1.81	1.96	1.90	1.82
1625	7.30	8.07	8.66	1.49	1.48	1.43	1.50	1.49	1.45
1630	8.50	9.27	9.85	1.16	1.18	1.16	1.17	1.20	1.18
1650	13.00	13.72	14.24	0.51	0.59	0.62	0.54	0.63	0.66
1660	15.01	15.70	16.19	0.38	0.47	0.51	0.42	0.51	0.54
1675	17.73	18.38	18.82	0.27	0.36	0.41	0.31	0.40	0.44
1680	18.57	19.20	19.63	0.25	0.34	0.38	0.29	0.39	0.42
1720	24.31	24.85	25.19	0.16	0.25	0.29	0.21	0.30	0.34
1800	32.69	33.12	33.38	0.13	0.21	0.25	0.19	0.27	0.30
2100	77.44	80.75	90.00	0.15	0.23	0.26	0.21	0.28	0.31
2170	57.17	57.08	56.80	0.16	0.24	0.27	0.22	0.29	0.31
2590	41.35	41.28	41.25	0.20	0.30	0.34	0.23	0.33	0.36
2650	40.25	40.20	40.30	0.21	0.32	0.36	0.24	0.34	0.37
2800	38.89	38.86	38.82	0.22	0.33	0.39	0.24	0.35	0.40
3000	36.50	36.56	36.82	0.24	0.37	0.45	0.24	0.37	0.44



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## Typical Performance Data

FREQ.  (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
1518	5.78	5.76	5.76
1519	5.75	5.73	5.74
1520	5.72	5.71	5.71
1521	5.70	5.69	5.70
1522	5.68	5.67	5.67
1523	5.66	5.66	5.66
1524	5.64	5.63	5.63
1525	5.62	5.62	5.62
1526	5.61	5.60	5.60
1527	5.60	5.59	5.58
1528	5.58	5.57	5.57
1529	5.57	5.56	5.55
1530	5.56	5.54	5.53
1531	5.55	5.53	5.52
1532	5.54	5.52	5.50
1533	5.53	5.50	5.48
1534	5.51	5.49	5.46
1535	5.50	5.48	5.45
1536	5.49	5.46	5.43
1537	5.48	5.45	5.41
1538	5.46	5.43	5.39
1539	5.46	5.42	5.38
1540	5.45	5.41	5.37
1541	5.43	5.39	5.35
1542	5.42	5.38	5.34
1543	5.41	5.37	5.33
1544	5.40	5.36	5.31
1545	5.39	5.35	5.30
1546	5.38	5.34	5.29
1547	5.38	5.33	5.28
1548	5.36	5.32	5.28
1549	5.36	5.31	5.27
1550	5.36	5.31	5.27
1551	5.35	5.30	5.27
1552	5.34	5.30	5.27
1553	5.34	5.30	5.27
1554	5.35	5.30	5.29
1555	5.34	5.31	5.29
1556	5.35	5.32	5.30
1557	5.35	5.33	5.32
1558	5.36	5.34	5.34
1559	5.37	5.35	5.36