

SIW Bandpass Filter

WSBP-26G+

Typical Performance Data

FREQ.	Insertion Loss	Input Return Loss	Output Return Loss
(MHz)	(dB)	(dB)	(dB)
10	105.24	0.08	0.11
20	105.34	0.08	0.11
40	105.65	0.09	0.13
100	106.12	0.11	0.15
150	106.51	0.13	0.16
200	106.85	0.15	0.18
300	107.32	0.18	0.21
400	107.15	0.22	0.25
500	105.90	0.26	0.28
600	103.73	0.29	0.31
700	100.84	0.31	0.33
800	98.15	0.33	0.35
900	95.90	0.35	0.37
1000	94.33	0.36	0.39
1500	88.28	0.39	0.42
2000	84.34	0.39	0.42
2500	80.52	0.37	0.40
3000	78.38	0.33	0.36
3500	74.86	0.32	0.35
4000	70.67	0.33	0.36
5000	68.10	0.41	0.46
6000	69.07	0.52	0.57
6500	65.59	0.57	0.62
7400	60.22	0.58	0.66
7500	59.28	0.58	0.67
8000	56.29	0.63	0.73
8500	57.56	0.68	0.79
9000	54.67	0.73	0.84
10000	50.22	0.83	0.93
11000	49.21	0.91	1.02
12000	47.72	1.02	1.13
13000	45.02	1.14	1.24
14000	42.52	1.20	1.32
15000	42.59	1.25	1.39
16000	47.20	1.26	1.36
17000	45.78	1.34	1.43
18000	44.63	1.41	1.54
19000	45.35	1.49	1.71
20000	44.12	1.60	1.83
20500	43.65	1.72	1.93
21000	47.18	1.88	2.12
21500	46.99	2.09	2.28
22000	47.87	2.18	2.32
22500	51.14	2.12	2.17
23000	40.07	1.77	1.97
23500	23.66	1.91	2.09
24000	4.94	9.39	8.90
24500	1.69	19.82	20.92
25000	1.49	18.43	17.42
25500	1.33	22.92	25.88
26000	1.65	12.54	13.94
26500	1.51	22.14	27.07
27000	2.21	9.42	11.32
27500	3.13	9.09	10.26
28000	10.67	2.63	3.88
28500	16.48	2.73	3.89
29000	20.93	3.08	3.55
30000	30.75	2.35	2.43
31000	36.63	1.72	2.25
32000	35.88	1.61	2.48

FREQ.	Group Delay
(MHz)	(ns)
25000	0.55
25050	0.53
25100	0.52
25150	0.51
25200	0.51
25250	0.51
25300	0.51
25350	0.51
25400	0.50
25450	0.50
25500	0.50
25550	0.50
25600	0.50
25650	0.49
25700	0.49
25750	0.49
25750	0.49
25800	0.48
25850	0.46
25900	0.46
25950	0.45
26000	0.45
26050	0.45
26100	0.44
26150	0.44
26200	0.44
26250	0.45
26300	0.45
26350	0.46
26400	0.47
26450	0.47
26500	0.48
26550	0.48
26600	0.48
26650	0.47
26700	0.46
26750	0.45
26800	0.45
26850	0.45
26900	0.43
26950	0.43
27000	0.43