

Typical Performance Data

FREQ.	INSERTION LOSS			INPUT RETURN LOSS			OUTPUT RETURN LOSS		
(MHz)	(dB)			(dB)			(dB)		
	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C	@-40°C	@+25°C	@+85°C
1	97.05	99.85	100.71	0.01	0.01	0.01	0.05	0.06	0.07
20	89.02	88.00	88.22	0.00	0.00	0.01	0.06	0.08	0.08
35	85.94	82.00	83.48	0.00	0.00	0.00	0.07	0.08	0.10
60	80.15	77.84	80.61	0.01	0.00	0.00	0.08	0.09	0.10
110	70.32	69.88	70.06	0.00	0.00	0.00	0.12	0.14	0.15
170	63.25	62.61	62.64	0.01	0.01	0.01	0.13	0.15	0.17
250	56.68	56.39	56.43	0.00	0.02	0.03	0.16	0.18	0.21
350	51.50	51.41	51.48	0.02	0.03	0.04	0.17	0.21	0.25
460	47.87	47.83	47.92	0.05	0.07	0.08	0.20	0.24	0.27
840	50.20	50.67	51.09	0.18	0.22	0.24	0.30	0.36	0.41
950	47.66	46.75	45.99	0.24	0.30	0.32	0.36	0.44	0.50
980	42.82	42.14	41.58	0.26	0.32	0.34	0.39	0.48	0.55
1035	36.23	35.76	35.31	0.31	0.38	0.42	0.43	0.53	0.61
1060	33.73	33.29	32.90	0.34	0.42	0.45	0.48	0.59	0.66
1110	29.11	28.73	28.35	0.40	0.49	0.55	0.56	0.67	0.77
1170	24.04	23.67	23.30	0.55	0.66	0.74	0.72	0.86	0.98
1205	21.07	20.70	20.33	0.67	0.80	0.90	0.86	1.03	1.17
1240	18.12	17.72	17.35	0.86	1.02	1.16	1.05	1.25	1.43
1275	15.11	14.75	14.39	1.18	1.38	1.59	1.40	1.66	1.89
1310	11.98	11.68	11.33	1.69	1.98	2.30	1.94	2.30	2.64
1340	9.40	9.15	8.87	2.48	2.89	3.37	2.75	3.24	3.72
1375	6.61	6.49	6.34	4.18	4.83	5.59	4.54	5.30	6.02
1420	3.95	4.06	4.11	8.61	9.68	10.99	9.31	10.66	11.85
1450	2.99	3.20	3.35	13.57	14.81	16.49	15.32	17.33	18.79
1500	2.36	2.63	2.85	21.19	21.16	22.41	28.42	26.17	25.28
1510	2.31	2.58	2.80	21.52	21.50	22.86	25.35	24.05	23.77
1520	2.26	2.54	2.77	21.79	21.92	23.58	23.36	22.66	22.72
1530	2.24	2.52	2.75	22.22	22.66	24.75	22.09	21.73	21.94
1545	2.21	2.50	2.72	23.43	24.48	27.84	20.89	20.82	21.05
1555	2.19	2.48	2.72	24.73	26.46	31.57	20.35	20.32	20.46
1560	2.19	2.47	2.71	25.56	27.78	34.47	20.10	20.07	20.14
1580	2.19	2.49	2.74	30.19	35.02	32.40	19.13	19.00	18.68
1600	2.21	2.53	2.79	27.59	26.52	23.25	17.93	17.69	17.07
1615	2.24	2.56	2.84	22.77	21.65	19.50	16.86	16.58	15.91
1620	2.25	2.57	2.86	21.46	20.45	18.56	16.52	16.23	15.57
1640	2.33	2.66	2.96	17.60	16.91	15.64	15.04	14.83	14.30
1655	2.40	2.75	3.06	15.60	15.09	14.13	14.01	13.90	13.49
1670	2.50	2.85	3.16	14.08	13.73	13.01	13.10	13.10	12.85
1690	2.63	2.98	3.30	12.61	12.44	11.96	12.18	12.33	12.27
1710	2.76	3.13	3.46	11.71	11.71	11.43	11.74	12.04	12.19
1740	2.94	3.33	3.69	11.46	11.67	11.61	12.14	12.75	13.29
1760	3.05	3.48	3.88	12.02	12.31	12.26	13.28	14.14	15.01
1790	3.34	3.89	4.41	13.56	13.33	12.50	16.77	17.54	17.80
1820	4.03	4.80	5.56	12.11	10.68	9.29	16.30	14.44	13.03
1850	5.55	6.59	7.58	7.31	6.41	5.61	9.64	8.85	8.25
1880	8.07	9.29	10.43	4.09	3.73	3.38	5.96	5.83	5.74
1910	11.30	12.58	13.77	2.42	2.31	2.18	4.16	4.29	4.42
1940	14.82	16.11	17.29	1.57	1.57	1.52	3.31	3.56	3.76
1980	19.69	20.99	22.20	1.00	1.06	1.05	2.80	3.07	3.30
2010	23.55	24.90	26.12	0.78	0.85	0.85	2.54	2.81	3.02
2040	27.71	29.13	30.44	0.64	0.71	0.73	2.38	2.63	2.82
2080	34.20	35.76	37.10	0.52	0.59	0.61	2.13	2.38	2.54
2150	41.89	40.69	39.77	0.41	0.47	0.49	1.75	1.95	2.08
2225	35.84	35.49	35.24	0.32	0.38	0.41	1.34	1.50	1.61
2300	33.43	33.36	33.28	0.28	0.34	0.36	1.00	1.15	1.24
2400	31.98	31.98	31.93	0.24	0.29	0.32	0.71	0.81	0.90
3150	28.32	28.43	28.38	0.15	0.25	0.32	0.36	0.42	0.51
3725	27.71	27.85	27.89	0.11	0.25	0.39	0.32	0.45	0.59
4125	30.10	30.38	30.66	0.10	0.27	0.47	0.19	0.39	0.58
4200	31.33	31.77	32.19	0.09	0.27	0.46	0.23	0.42	0.61

Band Pass Filter**NBP-1560+***Typical Performance Data*

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
1400	2.20	2.19	2.19
1405	2.23	2.21	2.21
1410	2.25	2.23	2.21
1415	2.27	2.24	2.22
1420	2.28	2.25	2.22
1425	2.29	2.25	2.22
1430	2.29	2.24	2.21
1435	2.28	2.24	2.20
1440	2.28	2.23	2.18
1445	2.26	2.21	2.17
1450	2.24	2.19	2.15
1455	2.23	2.17	2.13
1460	2.21	2.15	2.10
1465	2.19	2.13	2.09
1470	2.16	2.10	2.06
1475	2.14	2.08	2.04
1480	2.11	2.06	2.02
1485	2.09	2.04	2.00
1490	2.06	2.01	1.98
1495	2.04	1.99	1.96
1500	2.02	1.97	1.94
1505	1.99	1.96	1.92
1510	1.97	1.94	1.91
1515	1.95	1.92	1.90
1520	1.93	1.90	1.88
1525	1.92	1.89	1.87
1530	1.90	1.88	1.86
1535	1.89	1.87	1.85
1540	1.88	1.86	1.84
1545	1.87	1.85	1.84
1550	1.86	1.84	1.83
1555	1.85	1.83	1.82
1560	1.85	1.83	1.82
1565	1.84	1.83	1.82
1570	1.84	1.82	1.81
1575	1.83	1.82	1.81
1580	1.82	1.81	1.81
1585	1.83	1.81	1.81
1590	1.83	1.82	1.81
1595	1.82	1.82	1.81
1600	1.82	1.82	1.81
1605	1.82	1.82	1.81
1610	1.82	1.82	1.81
1615	1.82	1.82	1.81
1620	1.82	1.82	1.81
1625	1.82	1.82	1.81
1630	1.82	1.82	1.81
1635	1.83	1.82	1.82
1640	1.82	1.82	1.81
1645	1.82	1.82	1.82
1650	1.83	1.82	1.82
1655	1.83	1.83	1.82
1660	1.83	1.83	1.83
1665	1.84	1.84	1.84
1670	1.84	1.84	1.85
1675	1.84	1.85	1.85
1680	1.85	1.85	1.86
1685	1.85	1.86	1.87
1690	1.86	1.87	1.88
1695	1.87	1.88	1.89