

Suspended substrate stripline Band Pass Filter

ZBSS-7975-S+

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
10	90.01	85.98	87.85	0.01	0.00	0.00	0.00	0.00	0.00
50	80.50	80.78	80.60	0.01	0.00	0.00	0.00	0.00	0.00
100	96.25	95.68	93.80	0.00	0.00	0.00	0.00	0.00	0.00
500	118.19	108.51	113.68	0.02	0.01	0.01	0.02	0.01	0.01
1000	112.85	120.56	113.82	0.02	0.02	0.04	0.03	0.03	0.04
2000	113.03	112.72	115.79	0.02	0.06	0.10	0.03	0.06	0.09
3000	121.51	115.41	113.24	0.00	0.10	0.16	0.02	0.10	0.13
4000	115.98	111.26	117.48	0.03	0.14	0.19	0.02	0.13	0.15
5000	103.60	106.04	103.85	0.05	0.15	0.18	0.01	0.13	0.12
6000	84.33	83.76	84.15	0.03	0.14	0.17	0.02	0.14	0.11
6900	53.85	53.51	53.24	0.06	0.22	0.27	0.09	0.26	0.25
7000	49.16	48.75	48.40	0.09	0.25	0.31	0.11	0.30	0.31
7250	35.03	34.36	33.87	0.20	0.42	0.53	0.26	0.52	0.60
7300	31.65	30.91	30.39	0.25	0.49	0.62	0.32	0.61	0.71
7430	21.62	20.66	20.05	0.51	0.85	1.08	0.62	1.02	1.21
7500	15.32	14.28	13.67	0.93	1.42	1.78	1.05	1.59	1.89
7600	6.06	5.46	5.19	3.76	5.24	6.19	3.69	5.02	5.70
7640	3.49	3.33	3.29	7.56	9.94	11.23	7.02	8.90	9.68
7800	1.40	1.71	1.85	18.64	19.87	21.34	18.18	18.80	18.96
7825	1.35	1.67	1.80	18.71	20.46	22.53	18.53	19.27	19.37
7850	1.31	1.63	1.76	19.51	21.85	24.65	19.39	20.16	20.10
7900	1.24	1.57	1.71	23.49	27.75	31.45	22.77	23.15	22.13
7975	1.20	1.54	1.70	38.02	29.86	25.32	28.98	25.18	22.70
8000	1.20	1.55	1.71	28.37	25.84	23.55	25.73	23.45	21.80
8100	1.29	1.65	1.81	19.74	20.81	22.14	18.85	18.99	19.05
8125	1.32	1.69	1.85	19.34	20.76	22.51	18.62	18.97	19.12
8200	1.45	1.86	2.04	19.73	21.37	23.72	22.18	24.55	25.87
8300	2.40	3.21	3.67	10.71	9.68	9.28	11.49	10.13	9.44
8400	7.46	9.08	10.03	2.92	2.77	2.75	2.61	2.44	2.31
8500	15.28	16.90	17.85	1.05	1.21	1.30	0.78	0.93	0.92
8550	19.01	20.50	21.39	0.73	0.92	1.00	0.50	0.67	0.66
8700	28.61	29.70	30.39	0.31	0.51	0.58	0.18	0.35	0.32
8750	31.33	32.32	32.95	0.24	0.44	0.50	0.13	0.30	0.27
8800	33.86	34.75	35.33	0.19	0.38	0.44	0.09	0.25	0.22
9000	42.47	43.05	43.43	0.06	0.24	0.29	0.01	0.17	0.12
9350	53.57	53.79	53.94	0.02	0.14	0.20	0.05	0.11	0.06
9500	57.37	57.44	57.51	0.03	0.13	0.19	0.05	0.10	0.05
9750	62.66	62.63	62.62	0.04	0.12	0.19	0.06	0.10	0.05
10000	67.17	66.92	66.78	0.04	0.13	0.21	0.06	0.11	0.07
10250	70.90	70.64	70.62	0.02	0.15	0.24	0.05	0.13	0.10
10500	74.15	73.89	73.95	0.00	0.17	0.28	0.04	0.15	0.15
10750	77.05	77.17	77.03	0.01	0.20	0.33	0.02	0.18	0.20
11000	80.03	80.10	80.07	0.03	0.24	0.38	0.00	0.22	0.26
11250	82.94	82.61	83.34	0.04	0.27	0.44	0.00	0.26	0.32
11500	85.78	86.21	86.15	0.06	0.31	0.49	0.00	0.28	0.37
11750	90.49	90.28	91.86	0.05	0.33	0.53	0.01	0.30	0.41
12000	95.05	96.43	97.87	0.05	0.36	0.57	0.04	0.31	0.45
12250	107.08	107.67	105.63	0.05	0.39	0.61	0.04	0.31	0.46
12500	103.51	101.43	104.71	0.03	0.40	0.64	0.09	0.31	0.46
12750	94.18	96.16	97.90	0.02	0.41	0.65	0.09	0.28	0.44
13000	91.04	92.28	91.52	0.00	0.41	0.67	0.12	0.26	0.43
13250	89.23	87.80	89.61	0.02	0.41	0.68	0.12	0.24	0.40
13500	87.25	86.70	86.02	0.04	0.40	0.68	0.13	0.21	0.37
13750	85.60	85.45	85.30	0.05	0.39	0.68	0.13	0.19	0.32
14000	83.32	82.91	83.49	0.07	0.37	0.67	0.10	0.19	0.31
14200	82.70	81.55	82.00	0.08	0.36	0.67	0.09	0.19	0.30
14400	80.94	80.49	80.24	0.09	0.35	0.65	0.08	0.19	0.29
14600	79.78	79.30	79.12	0.11	0.33	0.63	0.08	0.17	0.27
14800	77.86	78.45	77.66	0.12	0.31	0.60	0.07	0.18	0.26
15000	76.81	76.52	76.06	0.14	0.30	0.58	0.07	0.18	0.25



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REV. A
 ZBSS-7975-S+
 200121
 Page 1 of 2

Suspended substrate stripline

Band Pass Filter

ZBSS-7975-S+

Typical Performance Data

FREQ. (MHz)	GROUP DELAY		
	(nsec)		
	@-40°C	@+25°C	@+85°C
7825	1.75	1.71	1.69
7830	1.74	1.70	1.69
7835	1.73	1.69	1.68
7840	1.72	1.69	1.67
7845	1.71	1.68	1.67
7850	1.70	1.67	1.66
7855	1.70	1.67	1.65
7860	1.69	1.66	1.65
7865	1.68	1.66	1.64
7870	1.68	1.65	1.64
7875	1.67	1.65	1.63
7880	1.67	1.64	1.63
7885	1.66	1.64	1.63
7890	1.66	1.63	1.62
7895	1.65	1.63	1.62
7900	1.65	1.63	1.61
7905	1.65	1.62	1.61
7910	1.64	1.62	1.61
7915	1.64	1.62	1.60
7920	1.63	1.61	1.60
7925	1.63	1.61	1.60
7930	1.63	1.61	1.60
7935	1.63	1.60	1.59
7940	1.62	1.60	1.59
7945	1.62	1.60	1.59
7950	1.62	1.60	1.59
7955	1.62	1.60	1.59
7960	1.61	1.59	1.59
7965	1.61	1.59	1.58
7970	1.61	1.59	1.58
7975	1.61	1.59	1.58
7980	1.61	1.59	1.58
7985	1.60	1.59	1.58
7990	1.60	1.59	1.58
7995	1.60	1.59	1.58
8000	1.60	1.59	1.58
8005	1.60	1.59	1.58
8010	1.60	1.58	1.58
8020	1.60	1.59	1.58
8030	1.60	1.59	1.58
8040	1.60	1.59	1.59
8050	1.60	1.59	1.59
8060	1.60	1.59	1.59
8070	1.60	1.60	1.60
8080	1.61	1.60	1.61
8090	1.61	1.61	1.62
8100	1.62	1.62	1.63
8110	1.63	1.63	1.64
8125	1.64	1.65	1.66