

Suspended Substrate Stripline Triplexer

Z3SS-7000-S+

Typical Performance Data

FREQUENCY (MHz)	INSERTIONLOSS			Cross over isolation			RETURNLOSS			
	(dB)			(dB)			(dB)			
	Lowpass port	Bandpass port	Highpass port	(between LPF and HPF)	(between BPF and HPF)	(between LPF and BPF)	Common port	Lowpass port	Bandpass port	Highpass port
10	0.03	83.62	88.77	85.62	80.10	85.74	33.69	31.25	0.00	0.01
100	0.06	104.02	95.66	99.30	106.37	98.45	50.14	38.35	0.01	0.00
200	0.10	103.18	102.55	103.64	98.74	93.90	35.67	29.61	0.01	0.00
400	0.19	97.69	101.71	93.89	98.35	101.28	22.88	21.84	0.00	0.00
500	0.23	113.85	100.13	100.29	103.19	106.85	20.12	20.20	0.01	0.00
600	0.27	102.02	100.17	106.11	105.79	96.25	18.93	19.47	0.02	0.01
1000	0.33	78.47	100.83	104.92	105.54	79.02	31.36	28.34	0.09	0.02
1200	0.41	65.20	103.53	108.87	105.15	64.95	20.64	21.41	0.12	0.03
1500	0.74	47.41	95.96	104.79	103.62	45.47	12.65	12.81	0.20	0.04
1600	0.75	40.36	97.40	97.17	103.86	38.81	13.53	13.81	0.23	0.05
2000	9.18	8.37	104.53	102.15	102.79	12.78	3.66	2.92	1.85	0.07
2200	21.34	3.39	99.76	99.22	109.07	20.28	5.35	0.50	5.52	0.08
2500	33.80	1.13	104.91	98.27	103.60	32.49	13.88	0.22	14.59	0.10
2600	37.92	1.02	107.62	101.55	104.77	36.79	15.04	0.19	14.52	0.11
3000	55.44	0.90	107.39	97.99	103.24	56.05	14.80	0.10	15.79	0.13
3400	64.50	0.79	101.25	103.73	103.75	65.21	20.23	0.07	20.72	0.15
3800	58.88	0.76	105.68	115.30	109.45	59.23	24.99	0.06	25.68	0.16
4000	57.94	0.80	97.27	103.02	112.13	58.40	21.35	0.06	22.28	0.18
4100	57.72	0.82	101.52	110.70	102.24	58.19	20.22	0.06	21.01	0.18
4300	57.15	0.85	96.49	97.87	97.50	57.66	20.32	0.07	20.16	0.19
4500	56.69	0.86	89.77	102.58	89.95	56.64	26.88	0.08	25.68	0.19
4700	56.08	0.95	82.12	104.34	83.14	55.14	22.52	0.08	22.25	0.21
4900	55.14	1.15	73.24	104.29	75.10	53.60	15.81	0.11	14.97	0.22
5100	53.45	1.32	63.49	103.36	66.28	51.81	13.99	0.13	13.12	0.24
5300	50.10	1.41	55.43	104.02	56.61	49.13	14.98	0.19	14.76	0.26
5500	42.27	1.58	44.96	88.03	45.83	41.91	18.00	0.82	24.50	0.31
5700	43.20	2.22	32.49	74.46	32.83	41.07	14.40	0.85	16.33	0.44
5900	58.84	8.52	12.82	65.58	15.21	51.65	5.09	0.20	5.14	2.56
6000	69.11	16.08	10.41	75.09	22.87	52.23	3.01	0.18	1.85	1.81
6300	95.23	46.08	1.80	98.51	48.47	53.83	21.48	0.15	0.56	16.08
6500	105.46	64.67	1.49	104.26	66.14	55.06	13.29	0.14	0.46	13.03
6700	93.95	87.23	1.29	123.10	88.21	55.39	13.57	0.14	0.48	14.73
6900	105.25	83.08	1.19	112.26	83.61	54.70	13.36	0.13	0.52	14.40
7000	101.95	81.79	1.19	107.17	83.58	53.80	12.74	0.13	0.53	13.19
7300	98.83	86.48	1.05	105.21	88.39	47.16	13.56	0.13	0.66	13.35
7500	101.07	95.34	0.86	99.60	94.30	29.40	18.38	0.19	1.97	18.24
7700	98.28	100.14	0.76	103.65	92.62	49.02	32.86	0.11	0.85	48.03
7900	97.56	96.90	0.77	96.11	98.03	55.77	20.07	0.11	0.87	19.54
8000	97.36	94.21	0.81	119.85	94.87	58.68	17.32	0.11	0.82	16.76
8200	98.93	103.85	0.85	115.82	117.51	63.88	14.95	0.09	0.72	14.35
8500	102.67	95.21	0.80	96.03	95.62	70.93	15.29	0.08	0.54	14.65
9000	99.84	104.39	0.72	98.97	104.93	79.28	17.20	0.05	0.47	15.85
9200	106.54	104.68	0.76	103.60	103.45	82.18	15.64	0.04	0.53	14.37
9500	100.28	99.68	0.81	126.98	102.25	81.01	13.88	0.02	0.95	12.87
10000	96.55	92.90	0.73	95.74	106.34	88.03	14.99	0.01	0.95	14.09
10300	98.93	92.23	0.62	91.48	103.39	95.74	18.97	0.01	0.42	17.67
10600	100.38	96.57	0.57	103.67	105.37	93.72	25.13	0.01	0.30	21.97
10800	93.54	98.87	0.57	99.64	108.46	94.40	22.37	0.02	0.24	20.28
11000	100.19	110.97	0.60	98.07	107.55	92.77	18.39	0.02	0.20	17.41
11200	101.03	132.56	0.65	102.73	101.21	96.86	16.27	0.00	0.21	15.52
11500	101.24	103.35	0.68	100.55	109.05	101.20	14.83	0.02	0.15	14.49
12000	98.16	105.41	0.65	99.27	101.85	95.28	15.32	0.00	0.16	15.60
12500	98.55	98.98	0.60	96.98	94.50	104.59	18.55	0.01	0.19	20.03
13000	108.72	123.30	0.58	105.10	93.70	104.14	26.26	0.01	0.16	30.58
13200	108.68	97.09	0.55	96.85	98.31	103.77	34.81	0.02	0.16	38.52
13500	97.55	90.43	0.53	99.75	89.51	107.18	34.01	0.01	0.17	33.58
13800	107.38	101.05	0.51	102.04	91.65	109.27	25.70	0.01	0.19	26.00
14000	99.36	94.99	0.52	96.85	89.73	108.92	23.28	0.02	0.20	23.39
14500	95.83	95.97	0.58	96.21	92.38	98.33	18.89	0.00	0.27	18.09
15000	98.58	95.21	0.71	91.83	91.64	92.34	16.98	0.07	0.40	15.09