

Suspended substrate stripline Diplexer

ZDSS-5G6G+

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)		Cross over isolation (dB) (between LPF and HPF)	RETURN LOSS (dB)		
	Lowpass port	Highpass port		Common port	Lowpass port	Highpass port
10	0.01	81.59	92.20	43.99	44.47	0.00
20	0.01	94.20	93.75	42.92	42.22	0.01
30	0.01	94.32	91.82	39.45	39.18	0.00
50	0.02	89.08	90.24	33.92	34.30	0.00
75	0.02	95.43	102.87	31.13	31.09	0.00
100	0.03	100.21	105.77	28.60	28.60	0.00
125	0.04	101.31	100.96	26.83	26.80	0.00
150	0.05	96.02	99.22	25.26	25.29	0.00
175	0.06	99.89	102.87	24.06	24.08	0.01
200	0.07	103.48	96.32	23.02	23.05	0.01
250	0.09	97.33	101.36	21.39	21.45	0.01
300	0.12	96.00	92.18	20.14	20.19	0.01
350	0.14	94.93	98.15	19.11	19.18	0.01
400	0.15	106.29	94.14	18.32	18.40	0.01
500	0.19	101.10	105.49	17.24	17.31	0.01
1000	0.24	84.21	85.27	18.36	18.31	0.04
1500	0.24	76.29	76.96	34.92	34.09	0.07
2000	0.41	69.36	70.62	15.90	15.65	0.11
2500	0.59	63.37	65.67	13.14	12.85	0.14
3000	0.56	61.09	61.09	15.35	15.51	0.18
3500	0.50	57.05	57.37	28.83	31.38	0.22
4000	0.68	53.55	54.13	17.33	18.05	0.26
4500	0.85	50.44	49.81	16.02	16.32	0.34
5000	1.09	35.20	36.33	24.68	22.57	0.65
5075	1.22	30.65	32.36	23.09	19.95	0.81
5200	1.78	21.16	24.10	14.68	12.71	1.48
5300	3.34	12.75	16.24	9.39	7.45	3.98
5500	5.36	11.83	10.38	5.38	6.03	5.97
5725	18.38	3.00	21.31	9.02	1.03	11.55
5775	21.29	2.70	24.40	9.35	0.84	10.26
5975	30.87	2.00	34.58	11.14	0.55	10.60
6000	32.01	1.92	35.67	11.53	0.53	10.99
6500	52.22	1.09	53.93	20.81	0.35	22.96
6750	60.24	0.96	61.37	19.77	0.33	19.96
7000	68.13	0.88	68.36	18.35	0.31	18.18
7200	73.53	0.83	73.23	17.00	0.30	16.74
7500	81.12	0.79	80.53	15.62	0.30	15.27
7750	85.62	0.75	85.87	15.19	0.30	14.90
8000	91.14	0.70	90.76	15.20	0.30	15.06
8500	97.18	0.67	103.85	14.17	0.29	14.42
9000	108.95	0.76	112.74	11.82	0.28	12.05
9500	103.47	0.84	97.52	10.41	0.27	10.54
10000	95.22	0.83	101.47	10.18	0.26	10.25
11000	126.77	0.62	107.14	12.44	0.22	12.33
12000	98.49	0.51	96.18	14.70	0.18	14.18
12000	98.49	0.51	96.18	14.70	0.18	14.18
13000	106.24	0.59	106.43	12.87	0.15	12.56
14000	94.75	0.79	102.12	10.43	0.14	10.49
15000	99.02	0.80	108.52	10.18	0.12	10.39
15500	110.03	0.70	97.50	11.08	0.13	11.34
16000	102.40	0.56	97.42	12.79	0.15	13.22
16500	99.04	0.45	99.76	15.22	0.16	16.00
17000	101.60	0.40	117.36	17.40	0.18	18.48
17500	100.96	0.40	102.76	18.05	0.20	19.04
18000	104.93	0.42	98.10	17.50	0.22	17.98
18500	99.17	0.43	99.82	17.09	0.24	16.93
19000	100.91	0.46	97.74	16.36	0.27	15.77
19500	102.39	0.52	98.45	14.77	0.28	13.89
19750	98.97	0.57	99.20	13.77	0.29	13.13
20000	101.08	0.61	98.78	13.04	0.31	12.27



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