

Suspended substrate stripline Diplexer

ZDSS-3G4G-S+

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	86.60	80.37	56.05	57.72	0.00
20	0.02	95.20	93.62	44.18	45.29	0.00
30	0.02	87.30	87.11	42.16	42.49	0.00
50	0.03	90.68	121.66	39.14	38.83	0.00
75	0.04	96.14	108.66	34.52	34.64	0.00
100	0.05	94.84	101.72	31.98	32.08	0.00
125	0.06	101.83	109.53	29.79	29.87	0.00
150	0.07	103.60	98.48	28.12	28.20	0.00
175	0.08	100.15	107.22	26.63	26.72	0.00
200	0.09	99.07	95.00	25.37	25.50	0.00
250	0.10	108.85	93.09	23.45	23.60	0.01
300	0.12	90.20	91.70	21.94	22.10	0.01
350	0.14	91.86	94.36	20.68	20.83	0.01
400	0.16	87.04	89.59	19.66	19.81	0.01
500	0.20	86.05	87.42	18.13	18.27	0.01
750	0.29	78.89	79.53	16.27	16.33	0.02
1000	0.31	74.21	75.16	16.74	16.69	0.03
1500	0.29	68.46	68.73	29.25	28.19	0.06
2000	0.47	62.02	62.82	16.72	16.95	0.11
2500	0.53	47.60	47.34	20.66	21.16	0.18
2700	0.63	39.26	39.08	19.57	20.57	0.22
2800	0.73	35.17	34.73	16.73	17.53	0.25
2900	0.87	31.00	30.15	14.78	15.40	0.30
2925	0.91	29.90	28.97	14.47	15.05	0.32
3000	1.02	26.22	25.23	14.15	14.56	0.38
3100	1.23	19.66	19.77	16.93	16.15	0.57
3225	3.27	9.16	13.09	12.81	8.40	1.81
3250	4.74	7.53	12.42	9.36	5.92	2.34
3350	15.90	4.59	13.58	4.70	1.82	3.63
3425	18.15	3.72	15.80	4.89	1.27	4.20
3500	17.42	2.86	17.93	6.00	1.04	5.32
3600	18.78	1.82	20.73	8.79	0.82	8.04
3750	23.61	0.93	25.20	17.73	0.61	16.04
4000	33.65	0.72	32.96	17.34	0.46	16.83
4500	45.66	0.75	46.16	12.23	0.38	12.32
5000	54.81	0.58	56.52	13.93	0.36	14.40
5500	63.49	0.46	65.23	16.26	0.35	17.26
6000	71.33	0.40	72.77	17.90	0.33	19.18
6500	78.14	0.38	78.63	18.14	0.30	18.92
7500	89.14	0.41	91.67	15.74	0.21	15.23
8000	91.58	0.45	97.88	14.90	0.14	14.05
9000	99.18	0.36	98.98	14.62	0.00	13.43
10000	105.28	0.43	95.60	15.74	0.05	14.53
11000	97.84	0.38	106.91	17.23	0.01	16.66
12000	98.30	0.35	100.76	18.48	0.08	18.82
12000	98.30	0.35	100.76	18.48	0.08	18.82
13000	101.16	0.34	94.74	20.08	0.13	21.73
14000	100.78	0.32	107.89	22.56	0.14	25.84
15000	102.76	0.32	103.90	27.38	0.15	32.56
15500	120.34	0.32	102.87	26.40	0.16	26.96
16000	104.05	0.35	104.50	21.92	0.19	21.62
16500	100.11	0.39	109.32	18.21	0.20	18.21
17000	97.51	0.47	107.25	15.31	0.21	15.79
17500	100.51	0.54	99.12	13.50	0.21	14.38
18000	98.61	0.60	108.65	12.60	0.22	13.71
18500	104.24	0.61	102.52	12.60	0.23	14.21
19000	102.88	0.55	100.50	13.75	0.26	15.95
19500	101.18	0.49	107.01	15.90	0.28	18.92
19750	103.41	0.49	94.04	16.44	0.31	18.59
20000	83.64	0.55	85.03	15.00	0.31	15.75



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