

Suspended substrate stripline Diplexer

ZDSS-2R5G5G-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	84.74	82.39	39.25	40.18	0.00
20	0.01	99.68	100.17	46.03	47.29	0.00
30	0.01	92.18	101.88	53.02	54.38	0.00
50	0.01	92.96	93.06	54.87	66.56	0.00
100	0.01	100.40	107.15	59.46	61.76	0.00
300	0.06	101.28	113.37	39.91	44.49	0.01
425	0.08	99.65	113.60	34.60	36.63	0.01
550	0.10	104.44	110.90	30.58	31.38	0.02
675	0.12	104.75	117.50	27.35	27.65	0.02
800	0.14	109.74	101.11	25.09	25.26	0.03
925	0.16	109.89	108.79	23.58	23.58	0.04
1000	0.17	103.61	104.61	23.05	22.98	0.05
1175	0.18	112.15	106.03	22.81	22.63	0.06
1300	0.19	99.83	102.70	23.70	23.44	0.08
1425	0.20	100.04	97.90	26.04	25.43	0.09
1550	0.20	102.10	99.37	31.22	29.41	0.10
1675	0.21	96.56	96.69	37.76	33.37	0.12
1800	0.23	92.33	90.74	28.78	28.67	0.13
1925	0.25	91.31	89.95	24.42	24.87	0.15
2050	0.28	87.41	86.76	22.42	22.85	0.16
2175	0.29	83.52	84.00	22.10	22.59	0.18
2300	0.30	79.64	80.08	23.69	24.03	0.20
2425	0.31	76.09	76.12	28.70	28.07	0.21
2500	0.32	73.81	74.36	36.36	31.28	0.22
2675	0.37	68.90	68.98	26.34	25.51	0.24
2800	0.41	65.32	65.36	22.96	23.01	0.27
2925	0.44	61.36	61.23	24.65	25.23	0.28
3000	0.47	58.57	58.84	29.24	30.82	0.29
3200	0.99	52.11	52.31	11.46	11.42	0.32
3400	3.90	51.50	47.37	3.55	3.37	0.35
3425	4.51	48.93	46.94	3.07	2.86	0.35
3550	8.10	35.61	44.92	1.69	1.29	0.38
3600	9.74	31.44	44.14	1.46	0.95	0.39
3850	20.32	14.58	39.58	1.66	0.28	0.69
3975	31.12	7.99	37.65	2.90	0.20	1.59
4150	34.76	3.07	38.33	7.04	0.16	4.89
4175	34.56	2.76	38.76	7.60	0.15	5.42
4300	37.01	1.82	41.29	9.61	0.13	7.81
4425	41.99	1.33	43.98	11.22	0.12	10.29
4550	46.77	1.02	46.65	13.73	0.11	13.54
4675	49.50	0.82	49.16	18.08	0.12	18.74
4800	51.39	0.72	51.66	25.74	0.10	27.74
4925	53.49	0.68	54.04	32.24	0.11	29.81
5050	55.92	0.65	56.30	25.02	0.11	23.98
5100	56.93	0.65	57.17	23.81	0.12	22.62
5300	60.56	0.61	60.51	23.22	0.12	22.01
5425	62.28	0.59	62.47	25.54	0.13	23.41
5550	63.98	0.56	64.26	29.99	0.13	26.07
5675	65.38	0.55	66.01	31.99	0.14	28.28
5800	66.69	0.53	67.74	27.39	0.14	28.30
5925	68.42	0.53	69.28	24.25	0.15	25.96
6000	69.58	0.53	70.38	22.99	0.15	24.66
6175	71.93	0.52	72.38	21.36	0.16	22.77
6300	73.37	0.51	73.99	21.35	0.17	22.22
6425	75.58	0.50	75.08	21.99	0.18	22.82
6500	75.93	0.50	75.89	22.62	0.18	23.18
6675	77.56	0.48	77.78	25.22	0.18	24.90
6800	78.74	0.47	78.77	28.08	0.19	26.53
7000	79.77	0.46	80.62	38.18	0.20	29.96
7500	85.01	0.44	83.34	25.72	0.20	26.43