

Suspended substrate stripline Diplexer

ZDSS-7G10G-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	84.08	85.20	40.01	41.59	0.00
3100	0.11	93.97	118.55	33.69	31.43	0.01
3200	0.12	108.89	103.59	31.55	29.36	0.02
3300	0.13	98.83	106.56	26.78	25.34	0.01
3400	0.14	95.28	97.96	23.76	23.50	0.03
3500	0.15	92.59	100.74	22.03	22.01	0.02
3600	0.16	100.82	97.93	20.85	21.01	0.02
3700	0.17	96.70	90.07	20.17	20.53	0.03
3800	0.18	90.17	98.15	19.65	20.26	0.01
3900	0.18	95.12	100.44	19.53	19.96	0.04
4000	0.19	93.67	103.94	19.30	19.58	0.07
4100	0.19	96.36	95.93	19.95	20.36	0.06
4200	0.19	96.20	90.38	20.17	21.18	0.07
4300	0.20	90.20	95.12	20.18	21.27	0.06
4400	0.19	92.52	92.78	21.38	21.86	0.05
4500	0.19	96.58	96.49	22.44	23.09	0.04
4600	0.19	100.11	93.35	23.49	24.27	0.07
4700	0.19	97.85	108.90	26.25	26.81	0.07
5000	0.19	94.42	97.76	39.75	38.83	0.10
5200	0.20	107.61	94.74	35.77	34.66	0.10
5400	0.22	89.25	113.66	27.03	26.63	0.11
5600	0.24	97.23	108.30	24.10	25.04	0.12
5800	0.26	96.88	91.28	22.18	23.89	0.13
6000	0.28	95.75	97.80	21.53	22.85	0.12
6200	0.30	90.06	91.41	20.60	21.46	0.15
6400	0.32	92.44	95.52	20.82	21.90	0.14
6600	0.34	96.17	89.12	20.57	21.06	0.15
6800	0.37	103.43	97.67	20.11	20.36	0.16
7000	0.40	92.55	104.73	19.74	19.93	0.14
7200	0.43	98.58	98.26	19.95	20.16	0.16
7400	0.45	94.23	102.38	20.45	21.14	0.20
7500	0.47	89.32	86.78	21.25	22.24	0.20
8000	0.60	64.67	65.61	25.57	24.14	0.44
8500	1.62	37.29	36.26	9.39	8.99	4.57
8650	3.08	36.34	33.33	5.26	4.85	2.37
8700	3.76	34.58	32.79	4.36	3.93	1.95
9000	9.61	16.18	28.74	2.02	0.98	2.17
9300	19.08	4.09	26.59	6.16	0.17	7.81
9350	21.07	3.27	27.12	7.76	0.12	9.36
9600	29.74	1.60	31.78	20.23	0.07	24.29
9650	30.92	1.48	32.80	24.15	0.07	38.00
10000	37.52	1.21	39.83	16.98	0.14	16.12
10500	48.52	0.92	48.43	18.42	0.13	18.16
11000	54.18	0.83	56.05	17.24	0.15	15.37
11500	61.07	0.82	62.80	13.78	0.18	14.00
12000	68.55	0.73	69.12	13.81	0.15	14.37
12500	74.78	0.59	75.06	15.70	0.14	15.07
13000	82.31	0.55	77.42	16.25	0.12	14.77
13500	82.76	0.52	81.28	16.93	0.17	16.28
14000	85.69	0.45	90.22	22.17	0.11	22.47
14500	94.39	0.41	85.43	24.74	0.20	22.50
15000	97.00	0.42	86.48	20.18	0.26	18.58
15500	99.17	0.45	94.43	15.93	0.32	16.36
16000	87.44	0.47	96.13	15.21	0.19	16.06
16500	86.24	0.40	88.05	18.30	0.21	18.77
17000	90.55	0.35	111.70	24.87	0.18	26.86
17500	96.85	0.33	94.75	26.24	0.19	27.57
18000	90.41	0.38	99.60	20.17	0.11	21.29
18500	87.97	0.46	88.96	17.51	0.17	18.47
20000	97.55	0.37	96.22	26.77	0.02	27.39