

Suspended substrate stripline Diplexer

ZDSS-K10G13G+

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	0.02	112.57	109.02	43.41	48.21	0.01
50	0.02	103.36	106.93	41.48	44.34	0.02
100	0.06	110.63	111.31	34.57	35.13	0.05
500	0.12	110.15	117.19	23.28	22.71	0.05
1000	0.23	108.39	110.67	18.88	18.48	0.03
2000	0.31	108.28	125.74	16.26	16.91	0.01
3000	0.32	103.93	105.97	18.89	21.28	0.11
4000	0.40	104.74	110.26	19.47	24.61	0.24
5000	0.43	100.23	98.59	20.50	20.30	0.31
6000	0.47	92.72	97.24	20.29	23.43	0.37
8000	0.61	91.74	90.34	18.30	20.86	0.64
9000	0.62	85.19	82.09	25.84	24.92	0.72
10000	0.75	64.49	64.03	18.68	21.86	0.79
10500	0.85	52.88	53.55	21.82	21.60	0.85
11500	1.49	22.45	22.91	19.70	20.17	1.44
12000	6.56	5.40	10.81	8.59	4.78	6.45
12500	15.82	2.08	16.54	26.84	1.32	31.58
13000	21.49	1.53	23.49	25.99	0.67	20.99
13500	31.21	1.37	29.58	15.39	0.47	15.31
14000	34.09	1.24	34.74	15.52	0.36	15.82
15000	44.78	1.11	43.96	16.75	0.35	20.47
16000	51.06	1.08	51.41	15.39	0.37	15.56
17000	56.80	0.97	57.04	25.72	0.37	32.58
18000	63.58	1.01	62.23	18.01	0.39	17.10
19000	66.90	1.00	67.14	21.03	0.45	17.64
20000	71.31	1.03	72.71	20.26	0.54	18.49
21000	78.58	1.33	78.93	12.55	0.57	10.94
22000	83.76	1.51	83.49	12.17	0.56	9.61
23000	85.56	1.42	84.62	16.79	0.50	11.74
24000	83.00	1.34	88.28	26.83	0.45	19.22
25000	85.95	1.55	89.13	12.87	0.42	20.22
25500	95.01	1.71	91.06	10.12	0.43	14.01
26000	95.13	1.95	98.12	8.40	0.44	10.58
26500	86.83	2.07	87.15	7.37	0.43	8.81
27000	91.58	2.23	92.55	6.85	0.38	7.91
27500	87.06	2.31	88.64	6.89	0.35	7.72
28000	93.18	2.54	97.80	6.93	0.30	7.45
28500	88.53	2.58	96.67	7.02	0.26	7.24
29000	94.35	2.30	91.90	7.56	0.30	7.39
29500	92.56	1.99	106.52	8.79	0.30	8.33
30000	90.90	1.60	96.38	11.06	0.39	10.08
30500	86.50	1.26	89.10	15.51	0.44	13.23
31000	86.99	1.10	94.61	25.41	0.52	17.04
31500	96.77	1.11	91.28	18.80	0.61	15.67
32000	90.41	1.25	89.96	13.18	1.14	12.17
32500	101.06	1.42	99.61	10.63	1.36	9.79
33000	85.24	1.59	105.38	9.31	0.61	8.65
33500	85.87	1.72	94.40	8.69	0.45	7.81
34000	92.06	1.84	92.09	8.22	0.43	7.37
34500	85.66	1.91	87.57	7.83	0.41	6.96
35000	84.38	1.99	89.42	7.66	0.44	6.80
35500	85.63	1.96	94.87	8.01	0.48	7.03
36000	89.26	1.77	93.28	9.27	0.53	7.71
36500	83.94	1.59	95.48	11.72	0.55	8.82
37000	88.14	1.56	89.26	13.07	0.55	9.13
37500	81.00	1.94	90.63	9.92	0.52	7.50
38000	96.47	2.68	93.35	6.60	0.45	5.49
38500	82.01	3.64	86.18	4.67	0.37	3.99
39000	86.15	4.58	82.89	3.53	0.36	3.03
40000	81.97	5.96	87.59	2.59	0.42	2.08



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