

Ceramic Diplexer

ZDPL-6G-S+

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)					
	Lowpass port			Highpass port		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
10.0	0.02	0.03	0.03	49.10	49.07	49.02
50.0	0.05	0.05	0.05	35.19	35.09	35.01
100.0	0.06	0.07	0.07	29.27	29.11	28.96
150.0	0.08	0.10	0.10	25.82	25.64	25.46
200.0	0.10	0.12	0.13	23.35	23.24	23.08
250.0	0.12	0.14	0.15	21.44	21.42	21.32
300.0	0.14	0.17	0.18	19.93	19.96	19.92
350.0	0.16	0.19	0.21	18.74	18.80	18.79
400.0	0.18	0.22	0.24	17.79	17.83	17.84
450.0	0.21	0.24	0.26	17.01	17.03	17.04
500.0	0.23	0.27	0.29	16.36	16.37	16.38
550.0	0.25	0.29	0.32	15.79	15.81	15.84
600.0	0.28	0.32	0.34	15.34	15.36	15.41
650.0	0.30	0.34	0.37	14.96	14.99	15.06
700.0	0.32	0.37	0.39	14.68	14.70	14.79
750.0	0.33	0.39	0.41	14.48	14.51	14.59
800.0	0.35	0.41	0.44	14.33	14.36	14.44
850.0	0.36	0.42	0.45	14.26	14.30	14.38
900.0	0.37	0.43	0.46	14.27	14.32	14.39
950.0	0.38	0.44	0.48	14.33	14.40	14.47
1000.0	0.39	0.45	0.49	14.47	14.57	14.65
1100.0	0.40	0.46	0.50	15.03	15.18	15.26
1200.0	0.40	0.47	0.51	16.13	16.28	16.37
1300.0	0.40	0.48	0.52	17.96	18.18	18.29
1400.0	0.40	0.49	0.54	21.28	21.63	21.86
1500.0	0.43	0.54	0.60	28.51	28.79	28.88
1600.0	0.52	0.64	0.71	24.90	23.93	23.09
1650.0	0.60	0.73	0.81	19.99	19.41	18.86
1700.0	0.72	0.87	0.96	16.38	15.98	15.60
1800.0	1.12	1.31	1.44	11.21	10.96	10.78
1900.0	1.88	2.11	2.28	7.51	7.40	7.32
2000.0	3.11	3.39	3.61	4.90	4.89	4.87
2100.0	4.86	5.19	5.47	3.16	3.21	3.21
2200.0	7.13	7.53	7.88	2.06	2.14	2.16
2300.0	9.93	10.40	10.84	1.40	1.50	1.54
2400.0	13.35	13.91	14.45	1.02	1.13	1.17
2500.0	17.67	18.39	19.01	0.82	0.92	0.97
2600.0	23.58	24.32	24.89	0.71	0.81	0.86
3000.0	20.48	20.29	20.12	0.62	0.71	0.75
3200.0	18.62	18.56	18.50	0.61	0.69	0.74
3400.0	18.12	18.12	18.09	0.56	0.67	0.72
3600.0	18.25	18.28	18.27	0.53	0.63	0.69
3800.0	18.79	18.79	18.77	0.48	0.60	0.66
4000.0	19.49	19.49	19.47	0.43	0.56	0.63
4200.0	20.28	20.35	20.34	0.38	0.52	0.60
4400.0	21.15	21.34	21.38	0.35	0.49	0.58
4600.0	22.23	22.48	22.58	0.33	0.47	0.56
4800.0	23.42	23.80	24.00	0.32	0.45	0.55
4900.0	24.10	24.57	24.83	0.31	0.45	0.54
5000.0	24.92	25.42	25.72	0.30	0.44	0.54
5100.0	25.82	26.36	26.70	0.30	0.44	0.54
5200.0	26.83	27.44	27.86	0.30	0.44	0.53
5300.0	28.01	28.70	29.17	0.31	0.44	0.53
5400.0	29.45	30.19	30.72	0.30	0.44	0.52
5500.0	31.21	31.98	32.56	0.30	0.44	0.53
5600.0	33.39	34.21	34.86	0.30	0.45	0.53
5700.0	36.08	36.98	37.72	0.31	0.44	0.53
5800.0	39.07	39.84	40.36	0.32	0.45	0.54
5900.0	40.32	40.22	39.99	0.32	0.45	0.54
6000.0	38.11	37.48	36.97	0.32	0.46	0.55

Ceramic Diplexer

ZDPL-6G-S+

Typical Performance Data

FREQUENCY (MHz)	RETURN LOSS (dB)								
	Common port			Lowpass port			Highpass port		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
10.0	57.80	65.90	55.11	52.57	65.29	63.24	0.00	0.00	0.01
50.0	41.49	50.64	46.01	40.81	50.04	49.06	0.00	0.00	0.01
100.0	38.87	42.82	43.54	38.13	42.87	57.27	0.01	0.02	0.02
150.0	39.43	37.61	37.73	40.14	38.70	40.39	0.03	0.04	0.05
200.0	41.93	36.27	33.85	46.99	36.38	33.96	0.05	0.07	0.08
250.0	40.05	33.67	30.44	49.17	34.26	30.59	0.08	0.10	0.12
300.0	37.67	32.06	28.90	42.30	32.98	29.21	0.12	0.14	0.16
350.0	34.10	30.65	27.91	35.57	31.58	28.42	0.17	0.19	0.21
400.0	30.81	29.38	27.15	31.91	30.48	27.96	0.21	0.24	0.26
450.0	28.96	28.40	26.63	30.22	29.69	27.72	0.26	0.29	0.31
500.0	27.87	27.45	26.02	29.25	28.80	27.24	0.31	0.35	0.38
550.0	27.18	26.73	25.47	28.71	28.19	26.77	0.36	0.40	0.43
600.0	26.43	26.05	24.92	28.09	27.72	26.39	0.41	0.46	0.49
650.0	25.57	25.42	24.43	27.30	27.23	26.04	0.46	0.52	0.54
700.0	24.86	24.92	24.08	26.84	27.05	26.03	0.50	0.57	0.60
750.0	24.23	24.35	23.79	26.41	26.66	25.94	0.55	0.62	0.66
800.0	23.82	23.93	23.55	26.33	26.49	25.98	0.60	0.67	0.71
850.0	23.50	23.55	23.28	26.31	26.31	25.88	0.63	0.71	0.75
900.0	23.22	23.19	23.04	26.25	26.06	25.72	0.67	0.75	0.79
950.0	23.08	22.93	22.83	26.28	25.88	25.60	0.70	0.79	0.83
1000.0	22.97	22.69	22.71	26.18	25.58	25.41	0.73	0.82	0.87
1100.0	22.51	22.25	22.50	25.32	24.72	24.83	0.77	0.87	0.92
1200.0	21.79	21.94	22.44	23.64	23.54	23.87	0.79	0.90	0.97
1300.0	21.33	21.63	22.31	22.06	22.09	22.53	0.81	0.93	1.02
1400.0	21.15	21.34	22.06	20.91	20.79	21.20	0.84	0.99	1.10
1500.0	20.82	21.02	21.67	19.92	19.84	20.16	0.91	1.10	1.23
1600.0	20.22	20.51	20.97	19.47	19.36	19.54	1.10	1.33	1.50
1650.0	19.89	20.17	20.53	19.40	19.19	19.24	1.26	1.52	1.70
1700.0	19.45	19.70	19.91	19.06	18.71	18.56	1.49	1.77	1.98
1800.0	18.45	18.61	18.61	16.34	15.78	15.44	2.21	2.58	2.82
1900.0	17.35	17.40	17.33	11.73	11.41	11.18	3.42	3.85	4.14
2000.0	16.37	16.31	16.26	7.82	7.73	7.62	5.16	5.60	5.92
2100.0	15.55	15.43	15.46	5.15	5.18	5.15	7.25	7.65	8.00
2200.0	14.84	14.74	14.88	3.43	3.54	3.56	9.34	9.68	10.06
2300.0	14.35	14.23	14.46	2.38	2.54	2.60	11.17	11.39	11.78
2400.0	13.98	13.85	14.13	1.76	1.95	2.04	12.45	12.55	12.94
2500.0	13.56	13.58	13.92	1.40	1.59	1.70	13.04	13.21	13.59
2600.0	13.10	13.37	13.72	1.18	1.39	1.51	13.08	13.42	13.79
3000.0	12.75	13.12	13.45	0.85	1.04	1.16	12.74	13.15	13.50
3200.0	12.82	13.25	13.62	0.75	0.93	1.05	12.68	13.15	13.57
3400.0	13.52	13.60	13.88	0.67	0.83	0.93	13.24	13.43	13.77
3600.0	13.87	14.04	14.29	0.58	0.73	0.82	13.66	13.95	14.33
3800.0	14.62	14.68	14.77	0.51	0.66	0.74	14.60	14.75	14.97
4000.0	15.82	15.44	15.32	0.46	0.60	0.69	16.02	15.70	15.71
4200.0	17.45	16.42	16.01	0.42	0.56	0.65	17.78	16.77	16.46
4400.0	18.66	17.39	16.72	0.39	0.53	0.63	19.28	17.96	17.26
4600.0	19.91	18.42	17.55	0.37	0.52	0.62	20.90	19.21	18.12
4800.0	20.24	19.27	18.51	0.37	0.52	0.62	21.20	20.11	19.10
4900.0	20.27	19.65	19.07	0.38	0.53	0.64	21.15	20.40	19.43
5000.0	20.94	20.08	19.57	0.38	0.53	0.64	21.84	20.82	19.88
5100.0	21.02	20.21	19.93	0.39	0.55	0.66	21.93	20.95	20.30
5200.0	20.42	20.45	20.65	0.40	0.56	0.67	21.13	21.05	20.84
5300.0	19.76	20.60	21.24	0.41	0.57	0.68	20.29	21.05	21.21
5400.0	19.82	20.78	21.66	0.42	0.59	0.71	20.30	21.12	21.58
5500.0	20.27	20.82	21.67	0.43	0.60	0.73	20.55	20.81	21.07
5600.0	20.39	20.78	21.98	0.44	0.62	0.75	20.76	20.82	21.44
5700.0	19.85	20.96	22.55	0.45	0.64	0.77	20.08	20.67	21.67
5800.0	19.40	20.91	22.43	0.46	0.65	0.78	19.20	20.29	21.21
5900.0	19.46	20.93	22.42	0.47	0.66	0.80	19.06	20.26	21.12
6000.0	19.72	21.00	22.48	0.49	0.68	0.81	19.10	20.14	21.07