

Ceramic Diplexer

LDPQ-550-252+

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)					
	Lowpass port			Highpass port		
	@-55°C	@+25°C	@+125°C	@-55°C	@+25°C	@+125°C
1.0	0.08	0.11	0.14	94.42	90.20	94.29
3.0	0.08	0.11	0.15	82.17	92.92	88.56
5.0	0.08	0.12	0.15	86.05	92.34	90.41
50.0	0.14	0.18	0.23	72.17	71.93	71.88
100.0	0.19	0.24	0.30	66.35	66.26	66.36
150.0	0.23	0.29	0.36	62.35	62.38	62.43
170.0	0.25	0.31	0.38	60.85	60.84	60.80
180.0	0.26	0.32	0.39	60.03	60.07	60.06
200.0	0.28	0.34	0.42	58.62	58.53	58.53
220.0	0.30	0.36	0.44	57.23	57.24	57.15
260.0	0.34	0.40	0.49	54.90	54.92	54.86
280.0	0.35	0.43	0.52	53.96	54.03	53.98
300.0	0.37	0.44	0.54	53.27	53.36	53.38
350.0	0.42	0.49	0.60	52.59	52.92	53.06
450.0	0.49	0.58	0.70	49.92	49.66	49.27
500.0	0.53	0.64	0.77	42.16	41.64	41.08
550.0	0.60	0.72	0.87	35.37	34.91	34.40
600.0	0.73	0.86	1.03	29.71	29.31	28.85
950.0	10.76	11.88	13.22	3.12	3.18	3.24
700.0	1.25	1.42	1.64	20.84	20.58	20.26
750.0	1.62	1.80	2.04	17.46	17.25	16.97
800.0	1.93	2.13	2.40	14.51	14.28	13.94
850.0	2.28	2.59	3.05	10.89	10.40	9.75
900.0	4.30	5.12	6.26	5.72	5.42	5.14
950.0	10.76	11.88	13.22	3.12	3.18	3.24
1000.0	17.99	18.76	19.62	2.20	2.30	2.39
1050.0	22.40	22.81	23.30	1.60	1.70	1.80
1100.0	24.89	25.24	25.69	1.17	1.28	1.39
1150.0	27.03	27.41	27.89	0.89	1.01	1.13
1180.0	28.30	28.70	29.19	0.78	0.90	1.03
1200.0	29.16	29.56	30.06	0.73	0.85	0.97
1220.0	30.00	30.41	30.90	0.69	0.80	0.93
1260.0	31.63	32.03	32.51	0.63	0.74	0.87
1280.0	32.43	32.82	33.28	0.61	0.73	0.86
1300.0	33.17	33.56	34.02	0.60	0.71	0.84
1340.0	34.57	34.94	35.36	0.58	0.69	0.82
1360.0	35.22	35.58	36.00	0.58	0.69	0.81
1380.0	35.84	36.19	36.60	0.57	0.69	0.81
1400.0	36.42	36.77	37.17	0.57	0.69	0.80
1420.0	36.98	37.32	37.73	0.57	0.68	0.80
1440.0	37.51	37.85	38.26	0.57	0.68	0.79
1460.0	38.03	38.37	38.78	0.57	0.68	0.79
1480.0	38.54	38.89	39.30	0.57	0.68	0.79
1500.0	39.04	39.39	39.82	0.57	0.67	0.78
1520.0	39.54	39.88	40.32	0.57	0.67	0.78
1540.0	40.02	40.39	40.83	0.56	0.67	0.77
1560.0	40.51	40.89	41.35	0.56	0.66	0.77
1580.0	41.02	41.39	41.87	0.56	0.66	0.76
1600.0	41.51	41.91	42.42	0.55	0.65	0.75
1650.0	42.85	43.30	43.86	0.53	0.63	0.73
1700.0	44.27	44.76	45.40	0.51	0.61	0.71
1750.0	45.84	46.40	47.11	0.49	0.59	0.69
1800.0	47.52	48.13	48.91	0.47	0.57	0.67
1900.0	50.63	51.09	51.61	0.42	0.52	0.62
2000.0	50.79	50.72	50.53	0.38	0.49	0.59
2100.0	48.26	48.01	47.70	0.36	0.47	0.57
2200.0	45.82	45.59	45.35	0.36	0.46	0.57
2300.0	43.95	43.78	43.58	0.37	0.48	0.59
2400.0	42.52	42.44	42.26	0.42	0.53	0.64
2500.0	41.48	41.40	41.27	0.48	0.59	0.70

Ceramic Diplexer

LDPQ-550-252+

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
1.0	43.00	39.30	36.32	42.81	39.15	36.18	0.00	0.00	0.00
3.0	41.95	38.51	35.62	42.18	38.62	35.68	0.00	0.00	0.00
5.0	41.29	37.87	35.13	41.44	37.97	35.20	0.00	0.00	0.00
50.0	32.31	30.69	29.32	34.19	32.34	30.90	0.01	0.01	0.01
100.0	27.19	26.51	25.73	31.05	30.51	29.87	0.02	0.01	0.01
150.0	24.11	23.94	23.52	28.83	29.76	30.40	0.01	0.04	0.06
170.0	23.24	23.18	22.85	28.06	29.23	30.26	0.01	0.07	0.09
180.0	22.88	22.84	22.56	27.63	28.88	30.03	0.02	0.08	0.10
200.0	22.26	22.22	22.00	26.52	27.80	28.99	0.04	0.11	0.13
220.0	21.67	21.62	21.44	25.59	26.69	27.82	0.06	0.13	0.16
260.0	20.72	20.61	20.46	24.13	24.89	25.80	0.09	0.17	0.21
280.0	20.35	20.19	20.05	23.63	24.29	25.09	0.10	0.19	0.23
300.0	20.08	19.89	19.77	23.24	23.80	24.50	0.12	0.20	0.25
350.0	19.82	19.65	19.57	22.42	22.97	23.50	0.15	0.24	0.29
450.0	22.81	22.87	22.99	23.66	24.39	25.07	0.29	0.39	0.46
500.0	25.60	25.42	25.18	27.52	28.30	28.99	0.35	0.45	0.54
550.0	22.83	22.22	21.42	25.55	24.92	24.19	0.38	0.49	0.59
600.0	17.42	16.93	16.37	18.72	18.26	17.78	0.45	0.57	0.68
950.0	7.50	7.51	7.72	2.68	2.61	2.57	6.51	6.75	7.06
700.0	10.54	10.36	10.21	11.11	11.03	10.96	0.68	0.84	0.99
750.0	9.11	9.09	9.13	9.39	9.52	9.68	0.87	1.05	1.24
800.0	9.01	9.20	9.52	9.49	10.00	10.75	1.20	1.44	1.71
850.0	11.12	11.59	12.04	15.89	19.39	27.47	2.03	2.43	2.92
900.0	11.10	10.33	9.66	9.49	8.07	6.83	4.47	5.01	5.56
950.0	7.50	7.51	7.72	2.68	2.61	2.57	6.51	6.75	7.06
1000.0	7.83	8.11	8.60	1.30	1.41	1.53	7.61	7.95	8.42
1050.0	9.51	9.93	10.57	0.85	0.98	1.12	9.35	9.84	10.50
1100.0	11.97	12.50	13.26	0.64	0.77	0.92	12.00	12.63	13.53
1150.0	15.11	15.73	16.56	0.54	0.68	0.82	15.57	16.42	17.63
1180.0	17.34	17.99	18.77	0.50	0.64	0.78	18.30	19.33	20.79
1200.0	18.84	19.43	20.08	0.49	0.62	0.76	20.36	21.47	23.05
1220.0	20.29	20.76	21.16	0.47	0.59	0.73	22.45	23.49	24.93
1260.0	22.00	21.91	21.72	0.42	0.54	0.68	24.84	25.03	25.12
1280.0	21.81	21.51	21.18	0.39	0.52	0.65	24.50	24.19	23.87
1300.0	21.24	20.89	20.52	0.37	0.50	0.63	23.48	23.05	22.61
1340.0	19.73	19.43	19.16	0.34	0.46	0.59	21.01	20.71	20.37
1360.0	18.98	18.70	18.52	0.33	0.45	0.59	20.04	19.76	19.52
1380.0	18.33	18.08	17.96	0.32	0.44	0.58	19.17	18.92	18.77
1400.0	17.73	17.53	17.46	0.32	0.44	0.58	18.46	18.25	18.15
1420.0	17.21	17.06	17.02	0.33	0.45	0.58	17.79	17.65	17.58
1440.0	16.85	16.71	16.71	0.32	0.44	0.58	17.31	17.21	17.18
1460.0	16.54	16.41	16.44	0.33	0.45	0.58	16.93	16.84	16.86
1480.0	16.28	16.16	16.24	0.32	0.45	0.57	16.65	16.58	16.65
1500.0	16.09	15.99	16.10	0.32	0.44	0.57	16.42	16.37	16.48
1520.0	15.93	15.87	16.00	0.32	0.44	0.56	16.19	16.18	16.32
1540.0	15.79	15.79	15.94	0.30	0.42	0.54	16.02	16.07	16.22
1560.0	15.72	15.76	15.94	0.29	0.41	0.53	15.92	16.01	16.19
1580.0	15.70	15.76	15.97	0.28	0.40	0.52	15.92	16.03	16.25
1600.0	15.72	15.80	16.04	0.27	0.38	0.51	15.95	16.06	16.32
1650.0	15.81	15.92	16.21	0.27	0.38	0.51	15.98	16.16	16.46
1700.0	16.13	16.21	16.55	0.28	0.39	0.52	16.27	16.44	16.80
1750.0	16.55	16.66	17.02	0.29	0.41	0.53	16.74	16.96	17.36
1800.0	17.24	17.41	17.80	0.28	0.40	0.51	17.42	17.72	18.19
1900.0	19.43	19.71	20.22	0.26	0.37	0.49	19.65	20.11	20.74
2000.0	22.92	23.03	23.55	0.30	0.41	0.52	23.23	23.82	24.72
2100.0	29.38	28.65	28.56	0.29	0.40	0.50	31.95	33.97	36.86
2200.0	30.45	29.06	27.86	0.28	0.39	0.49	32.66	31.62	30.26
2300.0	22.53	22.21	21.81	0.31	0.41	0.51	22.91	22.67	22.30
2400.0	18.16	17.94	17.81	0.28	0.38	0.48	18.32	18.11	17.97
2500.0	15.46	15.40	15.43	0.28	0.38	0.48	15.52	15.44	15.42