

# Surface Mount Diplexer

# CDPL-1710A+

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)		Cross over isolation (dB) (between CH-1 and CH-2)	RETURN LOSS (dB)		
	Lowpass port CH-1	Highpass port CH-2		Common port	Lowpass port CH-1	Highpass port CH-2
1	106.15	91.01	97.90	0.05	0.05	0.04
90	98.67	62.34	97.79	0.12	0.04	0.09
204	86.96	56.97	99.20	0.14	0.03	0.11
244	85.45	56.18	98.61	0.14	0.03	0.11
398	87.24	56.50	99.70	0.11	0.03	0.11
436	92.99	57.47	92.73	0.10	0.02	0.11
500	112.45	60.01	95.32	0.09	0.02	0.10
580	82.06	67.81	97.47	0.07	0.02	0.08
630	80.30	81.65	99.47	0.06	0.03	0.07
724	103.35	58.97	91.49	0.05	0.03	0.06
918	47.81	47.65	88.08	0.07	0.06	0.03
1024	32.28	43.78	79.90	0.11	0.09	0.02
1036	30.26	43.40	77.99	0.12	0.10	0.02
1080	21.72	42.09	69.09	0.21	0.18	0.02
1084	20.82	41.99	68.29	0.23	0.20	0.02
1086	20.35	41.97	67.56	0.24	0.21	0.02
1127	8.56	42.31	54.49	1.26	1.17	0.02
1139	4.49	44.25	50.00	3.17	3.01	0.02
1144	3.03	45.68	48.37	4.93	4.71	0.02
1148	2.10	46.72	47.29	7.10	6.79	0.02
1156	1.02	46.44	45.86	15.04	14.04	0.02
1162	0.76	44.99	45.38	31.31	23.36	0.02
1170	0.70	43.75	44.99	21.72	21.24	0.02
1175	0.68	43.58	44.78	21.39	21.33	0.02
1176	0.68	43.57	44.75	21.87	21.81	0.02
1177	0.68	43.57	44.71	22.54	22.49	0.02
1181	0.67	43.67	44.55	28.00	27.63	0.02
1187	0.75	43.95	44.39	19.91	19.65	0.02
1200	1.99	41.79	45.10	6.49	6.44	0.01
1201	2.17	41.52	45.25	5.98	5.93	0.02
1208	3.69	39.59	46.47	3.41	3.38	0.02
1209	3.94	39.33	46.68	3.16	3.12	0.02
1223	7.69	37.08	49.78	1.20	1.17	0.02
1268	17.35	34.06	57.19	0.22	0.19	0.02
1288	20.41	33.02	59.27	0.16	0.13	0.02
1290	20.69	32.92	59.43	0.16	0.12	0.02
1330	25.56	30.74	62.01	0.13	0.09	0.02
1376	30.17	27.83	63.07	0.13	0.08	0.03
1410	33.32	25.21	63.40	0.14	0.07	0.05
1432	35.41	23.24	63.32	0.17	0.08	0.06
1460	38.23	20.27	62.69	0.21	0.08	0.11
1462	38.45	20.04	62.47	0.21	0.08	0.11
1516	46.47	11.84	59.21	0.58	0.08	0.54
1538	53.25	7.19	56.81	1.43	0.08	1.48
1547	57.69	5.18	55.83	2.30	0.08	2.46
1583	56.74	0.84	56.15	15.83	0.09	17.55
1587	57.46	0.78	56.25	18.55	0.09	19.74
1589	58.01	0.77	56.27	20.14	0.09	20.72
1590	58.34	0.75	56.42	21.04	0.09	21.18
1591	58.72	0.75	56.30	22.03	0.09	21.59
1592	59.07	0.75	56.25	23.08	0.09	21.97
1601	60.68	0.83	55.23	20.45	0.09	18.79
1633	55.17	5.71	59.57	2.18	0.09	2.20
1654	48.45	11.36	63.13	0.72	0.09	0.66
1676	45.03	16.47	67.03	0.37	0.09	0.27
1696	43.08	20.33	69.89	0.27	0.09	0.15
1698	42.90	20.68	70.61	0.26	0.09	0.15
1770	38.63	30.79	73.97	0.19	0.10	0.05
1806	37.11	34.64	77.49	0.19	0.11	0.03
2000	32.18	49.39	83.03	0.20	0.12	0.01

