

Surface Mount Diplexer

RDP-50-2R15+

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
1	0.17	100.77	104.35	36.90	37.13	0.05
2	0.17	107.35	99.47	35.70	35.49	0.05
5	0.18	101.87	106.98	31.09	30.89	0.05
10	0.21	98.41	97.74	26.47	26.11	0.04
15	0.24	98.98	102.34	24.29	23.69	0.04
23	0.28	97.51	100.24	22.88	22.03	0.04
27	0.30	95.27	96.60	22.98	21.91	0.04
29	0.31	94.94	99.56	23.17	21.95	0.04
30	0.32	109.99	94.68	23.30	22.02	0.04
33	0.33	97.59	99.69	23.72	22.22	0.04
37	0.35	93.95	100.48	24.38	22.57	0.03
41	0.38	92.39	89.38	24.90	22.94	0.03
46	0.41	90.08	93.15	25.06	23.25	0.03
50	0.45	89.18	93.22	24.50	22.94	0.03
56	0.53	87.99	87.53	20.84	19.89	0.03
61	0.69	85.87	83.87	15.83	15.26	0.03
63	0.80	85.08	85.65	13.81	13.35	0.03
72	2.08	83.82	79.18	6.49	6.28	0.03
76	3.24	82.13	77.47	4.38	4.22	0.03
83	6.14	83.45	75.69	2.19	2.09	0.04
92	10.63	79.28	73.54	1.04	0.99	0.04
100	14.61	76.32	73.10	0.66	0.64	0.04
112	20.10	69.85	72.09	0.42	0.43	0.04
126	25.72	64.49	71.62	0.31	0.32	0.05
139	30.31	59.76	69.88	0.26	0.27	0.06
150	33.83	56.20	69.88	0.23	0.24	0.06
157	35.93	54.10	69.41	0.21	0.22	0.07
160	36.80	53.20	69.04	0.21	0.22	0.07
170	39.58	50.45	69.02	0.19	0.19	0.08
240	55.67	34.64	67.10	0.17	0.12	0.15
250	57.76	32.77	67.05	0.17	0.11	0.16
264	60.68	30.27	67.16	0.18	0.10	0.19
282	64.69	27.23	66.85	0.20	0.09	0.21
328	82.85	20.21	67.75	0.27	0.07	0.33
370	76.74	14.59	69.91	0.46	0.06	0.55
440	68.26	6.97	77.64	1.52	0.05	1.68
496	66.85	3.06	71.43	3.98	0.05	4.19
522	66.52	2.01	69.26	5.76	0.05	5.98
540	66.97	1.50	68.08	7.18	0.04	7.41
576	67.42	0.88	67.22	10.33	0.05	10.59
660	69.25	0.39	67.38	18.18	0.04	18.39
720	69.10	0.31	67.99	23.21	0.05	23.41
785	68.10	0.26	67.87	26.92	0.05	27.42
810	68.32	0.25	67.57	27.79	0.05	28.37
815	68.10	0.25	67.51	27.91	0.05	28.52
900	67.06	0.22	66.77	28.33	0.06	29.71
950	66.50	0.21	66.16	27.63	0.06	29.44
990	66.01	0.21	66.12	27.07	0.07	29.05
1060	66.41	0.20	65.72	25.92	0.07	28.16
1140	66.08	0.20	66.18	24.77	0.08	27.25
1230	67.37	0.19	67.06	23.70	0.09	26.63
1390	73.36	0.19	72.07	22.78	0.10	26.28
1480	90.92	0.18	78.81	22.59	0.11	26.44
1500	81.05	0.18	88.85	22.60	0.11	26.52
1790	61.92	0.17	61.19	24.30	0.12	30.37
2000	55.30	0.17	55.01	28.52	0.13	39.82
2120	52.58	0.17	52.48	31.95	0.14	36.09
2150	51.83	0.17	52.01	32.48	0.14	33.86
2210	50.94	0.17	50.66	32.49	0.14	30.36
2500	46.29	0.22	46.53	22.24	0.12	20.93