

# Surface Mount Diplexer

# DPLX-4254-75+

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)		CROSS OVER ISOLATION (dB) Between LPF and HPF	RETURN LOSS (dB)		
	Low Pass Port	High Pass Port		Common Port	Low Pass Port	High Pass Port
1	0.05	75.12	77.67	42.69	42.88	0.01
2	0.05	69.45	69.78	40.48	40.48	0.01
5	0.07	61.67	62.95	34.95	34.58	0.01
10	0.16	56.70	56.92	30.53	30.04	0.03
20	0.19	62.13	62.09	32.08	33.43	0.06
25	0.28	66.53	68.24	38.11	47.68	0.12
30	0.36	66.75	64.67	56.60	35.06	0.21
32	0.40	66.98	68.54	42.50	34.00	0.26
34	0.44	74.26	68.04	33.52	32.18	0.33
36	0.52	64.05	61.23	27.55	27.71	0.42
38	0.63	59.17	57.80	23.59	23.25	0.54
40	0.78	62.97	56.33	21.57	20.47	0.71
41	0.88	51.11	50.32	21.91	20.12	0.80
42	0.98	43.19	43.22	24.42	21.35	0.94
43	1.14	36.75	37.44	29.75	26.69	1.10
44	1.41	32.07	32.27	18.81	24.12	1.31
45	2.13	28.77	27.97	10.92	13.03	1.60
46	3.88	23.59	24.95	6.12	6.95	2.04
47	7.30	14.79	23.70	3.92	3.60	2.92
48	12.68	8.28	24.58	4.27	1.96	4.88
49	19.63	4.55	27.53	6.94	1.28	8.70
50	27.29	2.78	32.13	11.28	0.98	14.57
51	34.47	1.99	37.62	16.16	0.78	23.00
52	41.03	1.60	43.85	19.86	0.66	36.57
53	47.35	1.35	49.96	21.21	0.58	29.12
54	52.64	1.19	54.82	21.30	0.51	25.68
55	53.95	1.08	55.40	21.22	0.46	24.17
56	54.11	0.98	56.15	21.20	0.40	23.35
58	57.76	0.84	57.31	21.17	0.33	22.23
60	59.76	0.75	60.95	21.04	0.27	21.50
70	67.37	0.47	64.65	21.41	0.18	20.98
80	67.87	0.35	70.63	24.11	0.15	23.17
100	74.51	0.25	74.82	34.71	0.13	29.48
200	61.58	0.18	65.65	23.61	0.17	22.91
400	59.25	0.24	57.06	18.36	0.23	18.84
600	54.63	0.35	53.67	16.07	0.25	16.36
700	54.48	0.45	53.22	14.89	0.25	15.31
800	50.91	0.47	50.60	13.89	0.29	14.30
870	50.27	0.57	44.86	13.45	0.68	13.67
900	53.45	0.53	53.08	13.20	0.35	13.30
1000	60.80	1.06	61.87	10.63	0.28	11.27

REV. X1  
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