

Directional Coupler

RDC17.5-182M75+

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	ISOLATION (dB)	RETURN LOSS		
				IN	(dB) OUT	CPL
3	0.73	18.16	41.92	19.39	20.68	19.51
5	0.66	18.11	41.75	21.05	22.76	21.23
7	0.62	18.07	41.95	22.12	24.24	22.35
10	0.58	17.99	42.45	23.20	25.75	23.42
20	0.54	17.85	44.29	24.90	28.39	25.10
50	0.52	17.72	47.90	26.52	31.11	26.67
100	0.53	17.70	47.85	27.39	32.74	27.56
108	0.53	17.70	47.59	27.46	32.91	27.65
150	0.53	17.69	45.80	28.00	33.78	27.87
200	0.54	17.70	43.63	28.49	34.17	28.52
250	0.55	17.70	41.47	28.84	34.08	29.04
300	0.55	17.69	40.73	29.41	34.18	29.65
350	0.56	17.68	39.00	29.77	34.13	30.26
400	0.56	17.67	37.90	30.02	33.66	31.18
450	0.57	17.65	37.51	30.45	33.18	32.14
500	0.58	17.63	36.32	30.65	32.73	33.06
550	0.59	17.62	35.68	30.45	32.19	33.61
600	0.59	17.60	35.62	30.69	31.70	34.31
650	0.61	17.61	34.74	30.89	31.28	34.92
700	0.61	17.60	34.59	30.39	30.88	34.73
750	0.62	17.59	34.74	30.14	30.68	34.10
800	0.64	17.59	34.19	29.98	30.39	33.48
850	0.64	17.58	34.61	29.55	30.09	32.34
900	0.66	17.57	34.26	29.32	30.10	31.47
950	0.67	17.55	34.29	29.31	30.15	30.41
1000	0.69	17.54	33.78	29.04	30.22	29.72
1050	0.71	17.54	33.20	29.13	30.45	29.07
1100	0.72	17.49	32.68	29.48	30.74	28.51
1150	0.76	17.49	31.44	29.61	31.08	28.14
1200	0.77	17.47	30.74	29.73	31.48	27.69
1225	0.78	17.45	30.80	29.91	31.96	27.64
1300	0.84	17.42	28.77	30.75	33.11	27.15
1400	0.90	17.35	28.30	31.74	34.88	27.12
1450	0.94	17.41	27.27	32.86	35.37	27.44
1500	0.95	17.36	27.76	33.40	34.77	27.61
1700	1.10	17.26	27.78	36.72	29.80	29.56
1800	1.17	17.20	28.94	37.18	27.46	29.58
1900	1.28	17.14	28.50	35.06	25.50	28.02
2000	1.39	17.02	28.31	30.55	24.08	25.28

⁽¹⁾Mainline loss includes coupling loss.