

Directional Coupler

RDC-20-252-5WX+

Typical Performance Data

FREQUENCY (GHz)	INSERTION LOSS ⁽¹⁾ (dB)	COUPLING (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				IN	OUT	CPL
30.00	0.24	20.60	23.16	21.57	21.55	21.69
50.00	0.34	20.64	25.60	24.72	25.31	25.00
110.00	0.34	20.81	24.42	27.01	27.85	26.53
190.00	0.31	21.02	22.36	27.96	29.07	26.20
200.00	0.31	21.04	22.16	28.03	29.12	26.10
210.00	0.31	21.07	21.95	28.12	29.18	25.99
280.00	0.29	21.20	20.71	28.46	29.55	25.11
400.00	0.27	21.38	19.25	28.34	29.28	23.48
440.00	0.27	21.44	18.89	28.07	29.04	22.96
480.00	0.27	21.48	18.54	27.94	28.85	22.46
560.00	0.27	21.57	17.90	27.70	28.50	21.50
680.00	0.27	21.68	16.96	27.11	28.02	20.22
720.00	0.28	21.72	16.75	26.90	27.78	19.83
760.00	0.28	21.75	16.52	26.76	27.60	19.45
800.00	0.29	21.76	16.32	26.56	27.50	19.11
880.00	0.29	21.80	15.98	26.24	26.95	18.46
960.00	0.30	21.82	15.67	25.77	26.30	17.92
1000.00	0.30	21.82	15.54	25.53	25.95	17.68
1080.00	0.31	21.81	15.37	25.19	25.22	17.23
1160.00	0.33	21.78	15.25	24.65	24.46	16.85
1200.00	0.33	21.77	15.19	24.39	24.07	16.68
1240.00	0.34	21.75	15.14	24.20	23.68	16.53
1320.00	0.36	21.69	15.05	23.69	22.87	16.23
1400.00	0.37	21.61	14.85	23.24	22.15	16.00
1480.00	0.40	21.52	14.82	22.68	21.44	15.81
1560.00	0.42	21.44	14.72	22.24	20.81	15.65
1720.00	0.48	21.27	14.42	21.37	19.57	15.42
1800.00	0.50	21.16	14.32	21.01	18.95	15.31
1840.00	0.53	21.11	14.28	20.83	18.67	15.24
1920.00	0.57	21.03	14.13	20.51	18.07	15.06
2000.00	0.61	20.95	14.00	20.26	17.47	14.84
2040.00	0.64	20.92	13.90	20.14	17.17	14.72
2120.00	0.70	20.87	13.83	20.01	16.56	14.40
2240.00	0.79	20.85	13.69	19.96	15.70	13.92
2280.00	0.83	20.85	13.60	19.98	15.41	13.75
2320.00	0.87	20.87	13.55	20.02	15.13	13.56
2360.00	0.90	20.89	13.48	20.07	14.84	13.35
2450.00	1.00	21.00	13.33	20.07	14.22	12.90
2500.00	1.05	21.10	13.22	20.03	13.89	12.65

⁽¹⁾Mainline loss includes coupling loss.



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The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. OR
RDC-20-252-5WX+
5/7/2025
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