

Directional Coupler

D18PA+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +25°C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				In	Out	Cpl
1200	0.15	22.82	18.50	29.67	30.61	21.87
1250	0.16	22.47	18.45	29.53	30.51	21.55
1300	0.16	22.14	18.43	29.50	30.42	21.31
1350	0.16	21.82	18.30	29.47	30.36	21.06
1400	0.16	21.52	18.20	29.36	30.14	20.81
1450	0.17	21.23	18.12	29.25	30.07	20.56
1500	0.17	20.94	18.07	29.16	30.09	20.28
1550	0.18	20.67	17.95	29.00	29.86	20.10
1600	0.18	20.41	17.84	28.88	29.68	20.02
1650	0.18	20.15	17.75	28.79	29.58	19.86
1700	0.19	19.91	17.63	28.61	29.36	19.56
1750	0.19	19.68	17.47	28.37	29.00	19.33
1800	0.20	19.44	17.35	28.21	28.92	19.18
1850	0.20	19.22	17.26	28.02	28.72	18.98
1900	0.20	19.00	17.12	27.85	28.52	18.72
1950	0.21	18.79	16.95	27.62	28.25	18.51
2000	0.21	18.58	16.80	27.33	28.02	18.33
2025	0.21	18.49	16.69	27.25	27.94	18.19
2050	0.22	18.39	16.64	27.16	27.84	18.12
2075	0.22	18.30	16.51	26.99	27.63	18.06
2100	0.22	18.19	16.43	26.95	27.55	17.93
2125	0.22	18.10	16.33	26.82	27.46	17.88
2150	0.23	18.01	16.27	26.74	27.34	17.77
2175	0.23	17.92	16.15	26.54	27.15	17.64
2200	0.23	17.83	16.08	26.40	27.09	17.58

Directional Coupler

D18PA+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = -45 °C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				In	Out	Cpl
1200	0.09	22.79	19.00	28.14	28.95	19.54
1250	0.09	22.45	18.85	28.09	28.95	19.29
1300	0.09	22.12	18.70	28.13	28.91	19.06
1350	0.09	21.80	18.52	28.18	28.92	18.84
1400	0.09	21.49	18.33	28.13	28.82	18.63
1450	0.09	21.19	18.17	28.12	28.80	18.41
1500	0.10	20.91	18.07	28.10	28.91	18.17
1550	0.10	20.64	17.87	28.02	28.76	18.02
1600	0.10	20.37	17.72	27.93	28.62	17.96
1650	0.10	20.11	17.56	27.83	28.49	17.84
1700	0.11	19.86	17.37	27.58	28.21	17.58
1750	0.11	19.63	17.13	27.23	27.75	17.37
1800	0.11	19.40	16.98	26.96	27.55	17.25
1850	0.11	19.17	16.77	26.75	27.30	17.09
1900	0.11	18.94	16.64	26.62	27.18	16.88
1950	0.12	18.73	16.45	26.54	27.06	16.70
2000	0.12	18.52	16.24	26.49	27.06	16.56
2025	0.12	18.42	16.14	26.52	27.12	16.46
2050	0.12	18.32	16.07	26.56	27.15	16.41
2075	0.12	18.22	15.96	26.49	27.05	16.35
2100	0.12	18.12	15.86	26.58	27.10	16.25
2125	0.13	18.02	15.79	26.53	27.13	16.21
2150	0.13	17.93	15.68	26.53	27.09	16.12
2175	0.13	17.84	15.54	26.40	26.98	16.03
2200	0.13	17.74	15.49	26.28	26.97	15.99

Directional Coupler

D18PA+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +85 °C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				In	Out	Cpl
1200	0.19	22.81	18.09	30.51	31.44	23.83
1250	0.19	22.47	18.11	30.30	31.30	23.42
1300	0.20	22.15	18.01	30.16	31.07	23.11
1350	0.20	21.82	17.97	29.99	30.86	22.80
1400	0.20	21.53	17.95	29.76	30.56	22.50
1450	0.21	21.24	17.88	29.56	30.34	22.21
1500	0.21	20.95	17.87	29.37	30.26	21.90
1550	0.22	20.68	17.77	29.10	29.91	21.68
1600	0.22	20.42	17.73	28.90	29.62	21.58
1650	0.23	20.17	17.65	28.74	29.46	21.42
1700	0.23	19.93	17.54	28.51	29.20	21.09
1750	0.24	19.69	17.43	28.23	28.80	20.79
1800	0.24	19.46	17.39	28.01	28.67	20.57
1850	0.25	19.24	17.25	27.77	28.39	20.31
1900	0.25	19.02	17.19	27.51	28.14	20.01
1950	0.26	18.82	17.06	27.22	27.82	19.78
2000	0.27	18.61	16.93	26.88	27.53	19.57
2025	0.27	18.52	16.85	26.77	27.42	19.41
2050	0.27	18.42	16.76	26.65	27.30	19.31
2075	0.28	18.33	16.70	26.46	27.07	19.22
2100	0.28	18.23	16.63	26.40	26.96	19.05
2125	0.28	18.14	16.56	26.25	26.86	18.97
2150	0.28	18.05	16.46	26.15	26.72	18.84
2175	0.29	17.96	16.35	25.94	26.50	18.68
2200	0.29	17.86	16.28	25.80	26.44	18.61

Directional Coupler

D18PA+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +105 °C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS (dB)		
				In	Out	Cpl
1200	0.20	22.81	17.93	30.63	31.46	24.59
1250	0.20	22.47	17.98	30.33	31.26	24.06
1300	0.21	22.15	17.90	30.11	30.95	23.66
1350	0.21	21.83	17.92	29.83	30.65	23.27
1400	0.22	21.53	17.87	29.50	30.23	22.96
1450	0.22	21.24	17.84	29.19	29.90	22.69
1500	0.23	20.96	17.79	28.92	29.73	22.41
1550	0.23	20.69	17.66	28.58	29.34	22.23
1600	0.24	20.42	17.65	28.34	28.99	22.15
1650	0.24	20.17	17.58	28.17	28.82	21.99
1700	0.25	19.93	17.49	27.94	28.56	21.61
1750	0.25	19.70	17.39	27.68	28.19	21.25
1800	0.26	19.47	17.34	27.48	28.08	21.00
1850	0.26	19.25	17.24	27.23	27.79	20.72
1900	0.27	19.03	17.19	26.96	27.55	20.42
1950	0.28	18.83	17.05	26.65	27.22	20.20
2000	0.28	18.62	16.95	26.27	26.88	20.01
2025	0.29	18.53	16.89	26.14	26.77	19.83
2050	0.29	18.43	16.79	26.00	26.61	19.73
2075	0.29	18.34	16.71	25.79	26.37	19.62
2100	0.30	18.24	16.61	25.70	26.24	19.43
2125	0.30	18.16	16.51	25.54	26.12	19.33
2150	0.30	18.06	16.46	25.42	25.97	19.17
2175	0.30	17.97	16.32	25.22	25.76	18.99
2200	0.31	17.88	16.27	25.07	25.69	18.91

Directional Coupler

D18PA+

Typical Performance Data

TEST CONDITIONS: INPUT POWER =0 dBm @Temperature = +125 °C

FREQUENCY (MHz)	INSERTION LOSS (dB)	COUPLING LOSS (dB)	DIRECTIVITY (dB)	RETURN LOSS		
				In	Out	Cpl
1200	0.21	22.82	17.95	30.28	31.08	25.43
1250	0.21	22.48	17.91	29.83	30.64	24.76
1300	0.22	22.16	17.92	29.42	30.12	24.27
1350	0.22	21.84	17.85	29.00	29.63	23.86
1400	0.23	21.54	17.80	28.52	29.09	23.56
1450	0.23	21.25	17.77	28.09	28.64	23.29
1500	0.24	20.96	17.74	27.71	28.37	22.95
1550	0.25	20.70	17.65	27.35	27.95	22.66
1600	0.25	20.44	17.52	27.05	27.60	22.52
1650	0.25	20.18	17.47	26.87	27.41	22.34
1700	0.26	19.95	17.34	26.67	27.18	21.97
1750	0.27	19.71	17.28	26.44	26.86	21.58
1800	0.28	19.48	17.22	26.26	26.75	21.26
1850	0.28	19.26	17.14	26.03	26.49	20.92
1900	0.28	19.05	17.07	25.77	26.25	20.60
1950	0.29	18.84	16.97	25.44	25.90	20.42
2000	0.30	18.64	16.83	25.04	25.57	20.26
2025	0.30	18.54	16.74	24.92	25.45	20.09
2050	0.31	18.45	16.66	24.76	25.29	19.98
2075	0.31	18.35	16.56	24.57	25.07	19.85
2100	0.31	18.26	16.48	24.48	24.93	19.61
2125	0.31	18.17	16.37	24.32	24.83	19.49
2150	0.32	18.07	16.31	24.22	24.70	19.31
2175	0.32	17.99	16.16	24.05	24.53	19.12
2200	0.33	17.90	16.11	23.94	24.48	19.03