

2 Way-90° Power Splitter/Combiner

JYPQ-16

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
5.0	6.32	1.26	5.06	0.33	43.42	1.02	1.02	1.02
5.5	5.78	1.45	4.33	0.39	42.48	1.02	1.02	1.02
6.0	5.32	1.64	3.68	0.38	41.59	1.02	1.02	1.02
6.5	4.93	1.83	3.10	0.39	40.86	1.02	1.02	1.02
7.0	4.59	2.02	2.58	0.40	40.20	1.02	1.02	1.02
7.5	4.30	2.19	2.11	0.36	39.65	1.02	1.02	1.03
8.0	4.06	2.36	1.69	0.35	39.16	1.02	1.02	1.03
8.5	3.85	2.52	1.32	0.36	38.74	1.02	1.02	1.03
9.0	3.67	2.67	1.00	0.33	38.41	1.02	1.02	1.03
9.5	3.51	2.81	0.71	0.31	38.13	1.02	1.02	1.03
9.8	3.45	2.87	0.58	0.28	37.91	1.02	1.01	1.03
10.0	3.39	2.93	0.45	0.26	37.85	1.02	1.01	1.03
10.3	3.33	2.99	0.34	0.25	37.67	1.02	1.01	1.03
10.5	3.28	3.04	0.24	0.21	37.60	1.02	1.01	1.03
10.8	3.23	3.09	0.14	0.22	37.51	1.01	1.01	1.03
11.0	3.20	3.14	0.06	0.16	37.39	1.01	1.01	1.03
11.3	3.16	3.18	0.02	0.14	37.33	1.01	1.01	1.03
11.5	3.13	3.21	0.08	0.09	37.24	1.01	1.01	1.03
11.8	3.10	3.25	0.15	0.05	37.20	1.01	1.01	1.03
12.0	3.09	3.28	0.20	0.01	37.16	1.01	1.01	1.03
12.3	3.07	3.31	0.24	0.02	37.11	1.01	1.01	1.03
12.5	3.05	3.33	0.28	0.07	37.14	1.01	1.01	1.03
12.8	3.05	3.35	0.30	0.13	37.07	1.01	1.01	1.03
13.0	3.04	3.36	0.32	0.18	37.06	1.01	1.01	1.03
13.3	3.04	3.37	0.34	0.26	37.10	1.01	1.01	1.03
13.5	3.04	3.38	0.34	0.32	37.08	1.01	1.01	1.03
13.8	3.06	3.38	0.32	0.37	37.18	1.01	1.01	1.03
14.0	3.07	3.38	0.31	0.45	37.23	1.01	1.01	1.03
14.3	3.09	3.37	0.29	0.51	37.23	1.01	1.01	1.04
14.5	3.11	3.36	0.25	0.61	37.40	1.01	1.01	1.04
14.8	3.14	3.35	0.21	0.70	37.57	1.01	1.01	1.04
15.0	3.18	3.33	0.15	0.80	37.64	1.01	1.01	1.04
15.3	3.21	3.30	0.09	0.91	37.88	1.01	1.01	1.04
15.5	3.26	3.28	0.02	1.05	38.10	1.01	1.01	1.04
15.8	3.32	3.24	0.08	1.13	38.40	1.01	1.01	1.04
16.0	3.38	3.21	0.17	1.31	38.69	1.01	1.01	1.04
16.5	3.52	3.12	0.40	1.60	39.61	1.01	1.02	1.04
17.0	3.70	3.01	0.69	2.00	40.71	1.00	1.02	1.05
17.5	3.92	2.89	1.03	2.47	42.36	1.00	1.02	1.05
18.0	4.19	2.75	1.44	3.03	44.78	1.01	1.03	1.05
18.5	4.53	2.60	1.93	3.72	46.85	1.01	1.03	1.06
19.0	4.95	2.44	2.51	4.57	45.65	1.02	1.04	1.06
19.5	5.46	2.27	3.19	5.67	41.38	1.03	1.05	1.07
20.0	6.10	2.09	4.01	7.12	37.42	1.04	1.06	1.08

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-90° Power Splitter/Combiner

JYPQ-16

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
5.0	6.26	1.28	4.98	0.27	42.46	1.03	1.03	1.03
5.5	5.73	1.48	4.25	0.28	41.79	1.03	1.03	1.04
6.0	5.27	1.67	3.60	0.28	41.05	1.03	1.03	1.04
6.5	4.88	1.86	3.02	0.28	40.44	1.03	1.03	1.04
7.0	4.54	2.05	2.50	0.27	39.86	1.03	1.03	1.04
7.5	4.26	2.22	2.03	0.23	39.41	1.03	1.02	1.04
8.0	4.01	2.40	1.62	0.20	38.98	1.03	1.02	1.04
8.5	3.80	2.55	1.25	0.22	38.66	1.03	1.02	1.04
9.0	3.63	2.70	0.92	0.17	38.36	1.03	1.02	1.04
9.5	3.47	2.84	0.64	0.13	38.15	1.03	1.02	1.04
9.8	3.41	2.90	0.51	0.12	37.98	1.03	1.02	1.04
10.0	3.35	2.96	0.39	0.09	37.94	1.03	1.02	1.04
10.3	3.30	3.02	0.28	0.08	37.82	1.02	1.02	1.04
10.5	3.25	3.07	0.18	0.04	37.76	1.02	1.02	1.04
10.8	3.20	3.12	0.08	0.02	37.68	1.02	1.02	1.04
11.0	3.16	3.17	0.00	0.00	37.62	1.02	1.02	1.04
11.3	3.13	3.20	0.07	0.03	37.57	1.02	1.02	1.04
11.5	3.10	3.24	0.14	0.08	37.55	1.02	1.02	1.04
11.8	3.08	3.28	0.20	0.10	37.52	1.02	1.02	1.04
12.0	3.06	3.31	0.25	0.16	37.52	1.02	1.02	1.04
12.3	3.04	3.33	0.29	0.19	37.49	1.02	1.02	1.04
12.5	3.03	3.35	0.33	0.25	37.56	1.02	1.01	1.04
12.8	3.02	3.37	0.35	0.30	37.54	1.02	1.01	1.04
13.0	3.02	3.38	0.36	0.38	37.58	1.02	1.01	1.04
13.3	3.02	3.39	0.37	0.44	37.68	1.02	1.01	1.04
13.5	3.03	3.40	0.37	0.50	37.70	1.02	1.01	1.05
13.8	3.04	3.39	0.35	0.55	37.85	1.02	1.01	1.05
14.0	3.05	3.39	0.34	0.63	37.98	1.02	1.01	1.05
14.3	3.08	3.38	0.31	0.69	38.05	1.02	1.01	1.05
14.5	3.10	3.37	0.27	0.80	38.27	1.02	1.01	1.05
14.8	3.14	3.35	0.21	0.91	38.55	1.02	1.01	1.05
15.0	3.17	3.33	0.16	0.98	38.69	1.02	1.01	1.05
15.3	3.21	3.30	0.09	1.09	39.02	1.01	1.01	1.05
15.5	3.26	3.27	0.01	1.24	39.37	1.01	1.01	1.05
15.8	3.32	3.23	0.09	1.35	39.77	1.01	1.01	1.05
16.0	3.38	3.19	0.19	1.51	40.18	1.01	1.01	1.05
16.5	3.54	3.10	0.44	1.80	41.29	1.01	1.01	1.06
17.0	3.73	2.98	0.75	2.20	42.41	1.00	1.01	1.06
17.5	3.96	2.85	1.11	2.67	43.36	1.00	1.02	1.06
18.0	4.25	2.71	1.55	3.23	43.08	1.01	1.02	1.07
18.5	4.61	2.54	2.07	3.97	40.90	1.01	1.03	1.07
19.0	5.06	2.37	2.69	4.86	37.96	1.02	1.04	1.08
19.5	5.62	2.20	3.42	6.01	34.98	1.04	1.05	1.09
20.0	6.32	2.01	4.31	7.56	32.28	1.05	1.06	1.10

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-90° Power Splitter/Combiner

JYPQ-16

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = -40°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
5.0	6.40	1.25	5.15	0.53	41.72	1.01	1.02	1.01
5.5	5.85	1.43	4.42	0.61	40.82	1.01	1.02	1.01
6.0	5.39	1.63	3.76	0.63	40.05	1.01	1.02	1.01
6.5	5.00	1.81	3.18	0.61	39.38	1.01	1.02	1.01
7.0	4.66	2.00	2.66	0.64	38.77	1.01	1.02	1.01
7.5	4.36	2.17	2.19	0.63	38.27	1.01	1.02	1.01
8.0	4.11	2.34	1.77	0.60	37.85	1.01	1.02	1.02
8.5	3.90	2.50	1.40	0.63	37.46	1.01	1.02	1.02
9.0	3.72	2.65	1.07	0.63	37.16	1.01	1.02	1.02
9.5	3.57	2.78	0.78	0.61	36.88	1.01	1.02	1.02
9.8	3.50	2.85	0.64	0.59	36.73	1.01	1.02	1.02
10.0	3.44	2.91	0.53	0.56	36.65	1.01	1.02	1.02
10.3	3.38	2.97	0.41	0.54	36.49	1.01	1.02	1.02
10.5	3.33	3.02	0.31	0.52	36.39	1.01	1.02	1.02
10.8	3.28	3.07	0.21	0.52	36.32	1.01	1.02	1.02
11.0	3.24	3.12	0.12	0.48	36.21	1.01	1.02	1.02
11.3	3.21	3.16	0.05	0.46	36.14	1.01	1.02	1.02
11.5	3.17	3.20	0.03	0.42	36.05	1.01	1.02	1.02
11.8	3.15	3.24	0.09	0.35	36.01	1.01	1.02	1.02
12.0	3.13	3.27	0.15	0.32	35.95	1.01	1.02	1.02
12.3	3.11	3.30	0.19	0.33	35.91	1.01	1.02	1.02
12.5	3.09	3.32	0.23	0.27	35.91	1.01	1.02	1.02
12.8	3.08	3.34	0.26	0.21	35.84	1.01	1.02	1.02
13.0	3.08	3.36	0.28	0.13	35.81	1.01	1.02	1.02
13.3	3.07	3.37	0.30	0.06	35.82	1.01	1.02	1.02
13.5	3.08	3.38	0.30	0.00	35.79	1.01	1.02	1.02
13.8	3.09	3.39	0.30	0.03	35.85	1.01	1.02	1.02
14.0	3.10	3.39	0.29	0.14	35.86	1.01	1.02	1.02
14.3	3.11	3.38	0.27	0.19	35.85	1.01	1.02	1.03
14.5	3.14	3.37	0.24	0.30	35.96	1.01	1.02	1.03
14.8	3.17	3.36	0.20	0.39	36.07	1.01	1.02	1.03
15.0	3.19	3.35	0.15	0.48	36.09	1.01	1.02	1.03
15.3	3.23	3.33	0.09	0.60	36.24	1.01	1.02	1.03
15.5	3.28	3.30	0.02	0.75	36.41	1.01	1.02	1.03
15.8	3.33	3.27	0.06	0.84	36.60	1.01	1.02	1.03
16.0	3.39	3.24	0.15	1.01	36.78	1.01	1.02	1.03
16.5	3.52	3.16	0.36	1.33	37.36	1.01	1.02	1.03
17.0	3.69	3.06	0.62	1.75	38.08	1.01	1.03	1.04
17.5	3.90	2.96	0.94	2.19	39.15	1.01	1.03	1.04
18.0	4.15	2.83	1.32	2.76	40.77	1.01	1.03	1.04
18.5	4.46	2.69	1.77	3.47	43.07	1.01	1.04	1.05
19.0	4.84	2.54	2.30	4.33	46.92	1.02	1.04	1.05
19.5	5.31	2.39	2.93	5.41	50.08	1.02	1.05	1.05
20.0	5.89	2.22	3.67	6.81	44.89	1.03	1.05	1.06

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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