

# 2 Way-90° Power Splitter/Combiner

# JYPQ-30

## Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10dBm @Temperature = +25°C

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)			AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2	AVG.				S	1	2
10	5.56	1.52	3.54	4.04	89.35	39.77	1.03	1.06	1.03
11	5.07	1.75	3.41	3.32	89.34	39.86	1.03	1.06	1.03
12	4.66	1.96	3.31	2.70	89.30	40.01	1.03	1.07	1.03
13	4.31	2.16	3.24	2.15	89.29	40.30	1.03	1.07	1.03
14	4.01	2.35	3.18	1.66	89.27	40.67	1.03	1.07	1.03
15	3.76	2.52	3.14	1.24	89.26	41.02	1.03	1.07	1.03
16	3.55	2.69	3.12	0.86	89.28	41.53	1.03	1.07	1.03
17	3.38	2.84	3.11	0.54	89.28	42.30	1.04	1.07	1.03
18	3.24	2.97	3.11	0.27	89.27	43.14	1.04	1.08	1.03
19	3.12	3.09	3.10	0.03	89.28	44.28	1.04	1.08	1.03
20	3.03	3.19	3.11	0.16	89.31	45.18	1.04	1.08	1.03
21	2.96	3.27	3.12	0.31	89.33	45.96	1.04	1.08	1.03
22	2.92	3.33	3.13	0.41	89.37	46.28	1.05	1.08	1.03
23	2.89	3.36	3.13	0.47	89.41	45.22	1.05	1.08	1.04
24	2.89	3.38	3.14	0.49	89.44	43.45	1.05	1.08	1.04
25	2.91	3.37	3.14	0.46	89.52	41.16	1.06	1.09	1.04
26	2.95	3.34	3.14	0.39	89.61	38.80	1.06	1.09	1.05
27	3.02	3.28	3.15	0.26	89.72	36.55	1.07	1.09	1.05
28	3.12	3.21	3.16	0.09	89.83	34.46	1.08	1.10	1.06
29	3.26	3.10	3.18	0.16	90.01	32.43	1.09	1.10	1.07
30	3.44	2.97	3.21	0.47	90.21	30.50	1.11	1.11	1.08
31	3.66	2.82	3.24	0.84	90.47	28.60	1.12	1.11	1.10
32	3.96	2.64	3.30	1.32	90.85	26.77	1.14	1.12	1.12
33	4.34	2.44	3.39	1.90	91.31	24.98	1.17	1.14	1.14
34	4.82	2.22	3.52	2.60	92.01	23.20	1.20	1.15	1.17
35	5.46	1.99	3.73	3.47	92.96	21.47	1.24	1.18	1.21

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2  
JYPQ-30  
100623  
Page 1 of 3



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant  
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



# 2 Way-90° Power Splitter/Combiner

JYPQ-30

## Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10dBm @Temperature = -40°C

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)			AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2	AVG.				S	1	2
10	5.56	1.50	3.53	4.06	89.39	39.74	1.03	1.06	1.03
11	5.07	1.72	3.40	3.35	89.38	39.75	1.03	1.06	1.03
12	4.66	1.93	3.29	2.73	89.35	39.77	1.04	1.07	1.03
13	4.31	2.13	3.22	2.18	89.34	39.88	1.04	1.07	1.03
14	4.01	2.31	3.16	1.70	89.30	40.00	1.04	1.07	1.03
15	3.76	2.49	3.13	1.27	89.27	40.17	1.04	1.08	1.03
16	3.54	2.65	3.10	0.89	89.28	40.34	1.04	1.08	1.03
17	3.37	2.81	3.09	0.56	89.28	40.64	1.05	1.08	1.03
18	3.22	2.94	3.08	0.28	89.27	40.99	1.05	1.08	1.03
19	3.11	3.06	3.08	0.05	89.27	41.40	1.05	1.09	1.03
20	3.02	3.16	3.09	0.14	89.29	41.44	1.05	1.09	1.03
21	2.95	3.24	3.10	0.29	89.31	41.47	1.06	1.09	1.04
22	2.90	3.30	3.10	0.40	89.34	41.38	1.06	1.09	1.04
23	2.87	3.33	3.10	0.46	89.39	40.72	1.06	1.10	1.04
24	2.87	3.35	3.11	0.48	89.39	39.83	1.07	1.10	1.04
25	2.89	3.34	3.12	0.45	89.44	38.58	1.07	1.10	1.04
26	2.93	3.31	3.12	0.38	89.51	37.02	1.08	1.10	1.05
27	3.00	3.26	3.13	0.26	89.63	35.38	1.08	1.11	1.05
28	3.09	3.18	3.13	0.09	89.73	33.68	1.09	1.11	1.06
29	3.22	3.08	3.15	0.14	89.89	31.92	1.10	1.11	1.07
30	3.39	2.95	3.17	0.44	90.08	30.17	1.11	1.12	1.08
31	3.61	2.80	3.20	0.81	90.29	28.39	1.13	1.13	1.09
32	3.90	2.62	3.26	1.28	90.62	26.65	1.14	1.13	1.11
33	4.26	2.42	3.34	1.84	91.05	24.90	1.17	1.14	1.13
34	4.73	2.19	3.46	2.54	91.70	23.14	1.19	1.16	1.15
35	5.35	1.96	3.65	3.39	92.55	21.43	1.23	1.18	1.19

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2  
JYPQ-30  
100623  
Page 2 of 3



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant  
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see



# 2 Way-90° Power Splitter/Combiner

# JYPQ-30

## Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10dBm @Temperature = +85°C

FREQ. (MHz)	TOTAL LOSS <sup>1</sup> (dB)			AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2	AVG.				S	1	2
10	5.56	1.52	3.54	4.04	89.45	38.56	1.03	1.07	1.03
11	5.08	1.75	3.41	3.33	89.44	38.66	1.03	1.07	1.03
12	4.66	1.96	3.31	2.70	89.43	38.85	1.03	1.07	1.03
13	4.31	2.15	3.23	2.16	89.43	39.24	1.03	1.07	1.03
14	4.02	2.34	3.18	1.68	89.43	39.64	1.03	1.07	1.03
15	3.77	2.52	3.14	1.25	89.41	40.15	1.03	1.07	1.03
16	3.56	2.68	3.12	0.88	89.42	40.86	1.03	1.07	1.03
17	3.39	2.84	3.12	0.55	89.45	41.86	1.03	1.07	1.02
18	3.25	2.97	3.11	0.28	89.45	42.93	1.03	1.07	1.03
19	3.13	3.08	3.11	0.05	89.46	44.77	1.03	1.07	1.03
20	3.04	3.18	3.11	0.14	89.50	46.89	1.03	1.07	1.03
21	2.98	3.26	3.12	0.28	89.54	49.74	1.03	1.07	1.03
22	2.93	3.32	3.13	0.39	89.55	53.44	1.03	1.07	1.03
23	2.91	3.36	3.13	0.45	89.64	51.70	1.04	1.07	1.03
24	2.91	3.37	3.14	0.46	89.65	47.10	1.04	1.07	1.04
25	2.93	3.36	3.14	0.43	89.73	43.04	1.05	1.08	1.04
26	2.98	3.33	3.15	0.35	89.83	39.81	1.06	1.08	1.05
27	3.06	3.28	3.17	0.22	89.97	37.06	1.06	1.08	1.06
28	3.16	3.19	3.18	0.03	90.11	34.68	1.07	1.08	1.07
29	3.30	3.09	3.19	0.21	90.30	32.48	1.09	1.08	1.08
30	3.48	2.96	3.22	0.52	90.54	30.44	1.10	1.09	1.09
31	3.73	2.80	3.26	0.93	90.82	28.48	1.12	1.10	1.11
32	4.03	2.62	3.33	1.41	91.24	26.61	1.15	1.11	1.13
33	4.42	2.42	3.42	2.00	91.77	24.79	1.18	1.13	1.16
34	4.93	2.20	3.56	2.73	92.56	23.01	1.21	1.15	1.19
35	5.60	1.98	3.79	3.62	93.62	21.28	1.26	1.17	1.23

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2  
JYPQ-30  
100623  
Page 3 of 3



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS 9100 CERTIFIED • RoHS compliant  
P.O. Box 350166, Brooklyn, New York 11235-0003 (718) 934-4500 Fax (718) 332-4661



The Design Engineers Search Engine finds the model you need, Instantly • For detailed performance specs & shopping online see

