

2 Way-90° Power Splitter/Combiner

JSPQW-ED8183/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2	AVG.					S	1	2
15.4	3.33	3.22	3.28	0.11	41.58	90.84	15.4	1.05	1.19	1.10
20.2	3.38	3.26	3.32	0.11	41.14	91.40	20.2	1.06	1.21	1.13
25.0	3.40	3.28	3.34	0.12	40.81	91.16	25.0	1.06	1.22	1.16
28.0	3.42	3.30	3.36	0.12	40.70	90.96	28.0	1.07	1.23	1.17
31.0	3.44	3.32	3.38	0.12	40.63	90.86	31.0	1.07	1.23	1.18
34.0	3.45	3.33	3.39	0.12	40.60	90.86	34.0	1.06	1.22	1.19
37.0	3.47	3.34	3.41	0.13	40.65	90.89	37.0	1.06	1.22	1.19
40.0	3.49	3.36	3.43	0.13	40.70	91.00	40.0	1.06	1.21	1.20
44.0	3.51	3.38	3.45	0.13	40.99	91.18	44.0	1.05	1.20	1.21
48.0	3.53	3.39	3.46	0.14	41.15	91.36	48.0	1.06	1.19	1.21
52.0	3.54	3.41	3.48	0.13	41.32	91.57	52.0	1.06	1.18	1.22
56.0	3.57	3.42	3.50	0.15	41.52	91.72	56.0	1.07	1.17	1.22
60.0	3.59	3.44	3.52	0.15	41.63	91.81	60.0	1.09	1.17	1.23
64.0	3.61	3.46	3.54	0.15	41.67	91.89	64.0	1.11	1.17	1.24
68.0	3.63	3.47	3.55	0.16	41.53	91.85	68.0	1.13	1.18	1.24
72.0	3.65	3.49	3.57	0.17	41.51	91.82	72.0	1.15	1.19	1.25
76.0	3.68	3.51	3.60	0.18	41.24	91.71	76.0	1.17	1.21	1.26
80.0	3.71	3.53	3.62	0.18	40.98	91.53	80.0	1.20	1.23	1.27
84.0	3.73	3.54	3.64	0.19	40.59	91.26	84.0	1.22	1.25	1.28
88.0	3.76	3.57	3.67	0.20	40.32	91.00	88.0	1.25	1.28	1.29
92.0	3.80	3.59	3.70	0.21	39.76	90.66	92.0	1.28	1.30	1.30
96.0	3.82	3.61	3.72	0.21	39.46	90.29	96.0	1.30	1.33	1.32
100.0	3.86	3.64	3.75	0.22	39.06	89.91	100.0	1.33	1.36	1.33
110.0	3.94	3.70	3.82	0.24	38.14	88.80	110.0	1.40	1.44	1.38
120.0	4.03	3.77	3.90	0.26	37.42	87.50	120.0	1.48	1.52	1.43
130.0	4.11	3.85	3.98	0.25	36.73	86.20	130.0	1.56	1.60	1.49
140.0	4.19	3.94	4.07	0.26	36.31	84.83	140.0	1.64	1.68	1.57
150.0	4.28	4.03	4.16	0.25	35.87	83.48	150.0	1.72	1.76	1.64
160.0	4.35	4.11	4.23	0.23	35.66	82.19	160.0	1.80	1.83	1.73

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2

JSPQW-ED8183/1

100707

Page 1 of 1



IF/RF MICROWAVE COMPONENTS • ISO 9001 ISO 14001 AS9100 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

