

2 Way-90° Power Splitter/Combiner

PQW-2-90+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹			AMP. UNBAL. (dB)	ISOLATION (dB) 1-2	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	S-1	S-2	AVG.					S	(:1) 1	2
30.0	2.71	3.60	3.16	0.89	32.92	89.77	30.0	1.02	1.03	1.01
31.5	2.82	3.46	3.14	0.64	32.79	89.82	31.5	1.02	1.03	1.02
33.0	2.93	3.34	3.14	0.41	32.65	89.83	33.0	1.02	1.03	1.02
34.5	3.03	3.24	3.14	0.21	32.54	89.81	34.5	1.02	1.04	1.02
36.0	3.11	3.15	3.13	0.04	32.46	89.85	36.0	1.02	1.04	1.02
37.5	3.19	3.08	3.14	0.12	32.35	89.86	37.5	1.02	1.04	1.02
39.0	3.27	3.01	3.14	0.26	32.26	89.90	39.0	1.02	1.04	1.02
40.5	3.34	2.95	3.15	0.39	32.18	89.90	40.5	1.02	1.04	1.01
42.0	3.40	2.90	3.15	0.49	32.06	89.94	42.0	1.02	1.05	1.01
43.5	3.45	2.86	3.16	0.59	31.96	89.96	43.5	1.02	1.05	1.01
45.0	3.49	2.82	3.16	0.67	31.83	89.99	45.0	1.03	1.05	1.01
46.5	3.54	2.79	3.17	0.74	31.71	90.00	46.5	1.03	1.05	1.01
48.0	3.56	2.77	3.17	0.79	31.56	90.00	48.0	1.03	1.05	1.01
49.5	3.60	2.75	3.18	0.84	31.41	90.02	49.5	1.03	1.05	1.01
51.0	3.62	2.75	3.19	0.88	31.25	90.09	51.0	1.03	1.05	1.01
52.5	3.64	2.74	3.19	0.90	31.07	90.09	52.5	1.03	1.05	1.01
54.0	3.65	2.73	3.19	0.92	30.85	90.14	54.0	1.03	1.05	1.00
55.5	3.66	2.73	3.20	0.93	30.63	90.15	55.5	1.03	1.05	1.01
57.0	3.67	2.74	3.21	0.93	30.41	90.17	57.0	1.04	1.06	1.01
58.5	3.67	2.74	3.21	0.93	30.15	90.22	58.5	1.04	1.06	1.01
60.0	3.66	2.75	3.21	0.91	29.87	90.25	60.0	1.04	1.06	1.01
61.5	3.66	2.77	3.22	0.89	29.57	90.26	61.5	1.04	1.06	1.02
63.0	3.64	2.78	3.21	0.86	29.25	90.32	63.0	1.05	1.06	1.02
64.5	3.63	2.80	3.22	0.83	28.93	90.34	64.5	1.05	1.06	1.02
66.0	3.61	2.82	3.22	0.79	28.58	90.40	66.0	1.06	1.06	1.03
67.5	3.60	2.85	3.23	0.75	28.24	90.43	67.5	1.06	1.07	1.03
69.0	3.58	2.88	3.23	0.70	27.86	90.47	69.0	1.07	1.07	1.04
70.5	3.55	2.91	3.23	0.64	27.49	90.52	70.5	1.07	1.07	1.04
72.0	3.53	2.94	3.24	0.59	27.13	90.56	72.0	1.08	1.07	1.05
73.5	3.50	2.97	3.24	0.52	26.75	90.64	73.5	1.08	1.08	1.05
75.0	3.47	3.01	3.24	0.46	26.35	90.67	75.0	1.09	1.08	1.06
76.5	3.43	3.04	3.24	0.39	25.96	90.75	76.5	1.10	1.09	1.06
78.0	3.40	3.09	3.25	0.31	25.56	90.83	78.0	1.10	1.09	1.07
79.5	3.36	3.13	3.25	0.24	25.18	90.91	79.5	1.11	1.10	1.08
81.0	3.33	3.17	3.25	0.15	24.79	90.97	81.0	1.12	1.10	1.08
82.5	3.29	3.22	3.26	0.07	24.40	91.08	82.5	1.13	1.11	1.09
84.0	3.25	3.27	3.26	0.02	24.01	91.15	84.0	1.14	1.11	1.10
85.5	3.21	3.33	3.27	0.11	23.62	91.23	85.5	1.14	1.12	1.11
87.0	3.18	3.38	3.28	0.20	23.25	91.34	87.0	1.15	1.13	1.12
88.5	3.13	3.43	3.28	0.30	22.86	91.41	88.5	1.16	1.14	1.12
90.0	3.09	3.49	3.29	0.41	22.50	91.57	90.0	1.17	1.15	1.13

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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100624
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