

2 Way-90° Power Splitter/Combiner JSPQW-ED12378B/2

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
20.0	3.39	3.29	3.34	0.10	33.88	81.93	20.0	1.05	1.24	1.13
50.0	3.55	3.44	3.50	0.12	33.07	90.25	50.0	1.04	1.41	1.27
55.0	3.57	3.46	3.52	0.10	33.13	90.35	55.0	1.04	1.41	1.30
60.0	3.57	3.49	3.53	0.08	33.25	90.47	60.0	1.05	1.41	1.32
65.0	3.58	3.52	3.55	0.06	33.36	90.59	65.0	1.07	1.40	1.34
70.0	3.59	3.55	3.57	0.03	33.46	90.74	70.0	1.08	1.39	1.36
75.0	3.59	3.58	3.59	0.01	33.56	90.91	75.0	1.10	1.37	1.38
80.0	3.59	3.60	3.60	0.01	33.64	91.09	80.0	1.12	1.36	1.40
85.0	3.60	3.63	3.62	0.03	33.68	91.27	85.0	1.14	1.34	1.41
90.0	3.61	3.66	3.64	0.05	33.70	91.44	90.0	1.16	1.33	1.43
95.0	3.62	3.69	3.66	0.07	33.68	91.62	95.0	1.19	1.32	1.45
100.0	3.63	3.71	3.67	0.09	33.60	91.77	100.0	1.21	1.32	1.46
105.0	3.64	3.74	3.69	0.10	33.50	91.90	105.0	1.24	1.32	1.48
110.0	3.66	3.77	3.72	0.11	33.36	92.03	110.0	1.26	1.33	1.49
115.0	3.68	3.80	3.74	0.11	33.17	92.11	115.0	1.29	1.34	1.50
120.0	3.71	3.82	3.77	0.11	32.97	92.17	120.0	1.32	1.36	1.52
125.0	3.74	3.84	3.79	0.11	32.77	92.21	125.0	1.35	1.39	1.53
130.0	3.77	3.87	3.82	0.10	32.58	92.21	130.0	1.37	1.42	1.54
135.0	3.80	3.89	3.85	0.09	32.39	92.18	135.0	1.40	1.45	1.55
140.0	3.83	3.91	3.87	0.08	32.20	92.12	140.0	1.43	1.49	1.56
145.0	3.87	3.94	3.91	0.06	32.01	92.03	145.0	1.46	1.53	1.57
149.0	3.90	3.95	3.93	0.05	31.89	91.94	149.0	1.49	1.56	1.58
150.0	3.91	3.96	3.94	0.05	31.84	91.91	150.0	1.49	1.57	1.59
155.0	3.95	3.98	3.97	0.03	31.69	91.75	155.0	1.52	1.61	1.60
160.0	4.00	4.01	4.01	0.01	31.52	91.56	160.0	1.55	1.66	1.61
165.0	4.04	4.03	4.04	0.01	31.39	91.35	165.0	1.58	1.70	1.62
170.0	4.08	4.05	4.07	0.04	31.25	91.10	170.0	1.62	1.75	1.64
175.0	4.13	4.07	4.10	0.06	31.13	90.84	175.0	1.65	1.80	1.65
180.0	4.18	4.10	4.14	0.08	31.02	90.55	180.0	1.68	1.85	1.67
185.0	4.23	4.12	4.18	0.11	30.93	90.24	185.0	1.71	1.90	1.69
190.0	4.28	4.15	4.22	0.13	30.83	89.91	190.0	1.74	1.95	1.71
195.0	4.32	4.17	4.25	0.15	30.76	89.56	195.0	1.77	2.00	1.73
200.0	4.37	4.19	4.28	0.18	30.69	89.19	200.0	1.81	2.06	1.75
205.0	4.42	4.22	4.32	0.20	30.64	88.80	205.0	1.84	2.11	1.77
210.0	4.47	4.25	4.36	0.22	30.61	88.41	210.0	1.87	2.16	1.80
215.0	4.52	4.28	4.40	0.24	30.59	88.01	215.0	1.91	2.21	1.82
220.0	4.57	4.31	4.44	0.25	30.58	87.60	220.0	1.94	2.26	1.85

¹ Total Loss = Insertion Loss + 3dB Splitter Loss

