

2 Way-180° Power Splitter/Combiner

PSCJ-2-1+

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	(dB)						S	1	2
	S-1	S-2							
1.0	3.77	3.70	0.07	38.23	179.69	1.0	1.14	1.31	1.29
1.9	3.64	3.58	0.06	38.72	179.72	1.9	1.10	1.26	1.24
2.8	3.56	3.51	0.05	39.52	179.74	2.8	1.08	1.24	1.22
3.7	3.52	3.48	0.04	40.27	179.75	3.7	1.06	1.22	1.21
4.6	3.49	3.45	0.03	40.98	179.84	4.6	1.05	1.21	1.20
5.5	3.48	3.44	0.04	41.46	179.87	5.5	1.05	1.21	1.20
6.4	3.46	3.44	0.03	41.89	180.09	6.4	1.05	1.20	1.19
7.3	3.46	3.43	0.03	42.20	180.11	7.3	1.04	1.20	1.19
8.2	3.45	3.43	0.02	42.41	180.03	8.2	1.04	1.20	1.19
9.1	3.46	3.43	0.03	42.61	180.00	9.1	1.04	1.19	1.19
10.0	3.45	3.43	0.02	42.75	180.01	10.0	1.04	1.19	1.19
15.0	3.45	3.43	0.02	42.80	179.86	15.0	1.04	1.19	1.19
20.0	3.47	3.45	0.02	42.32	179.77	20.0	1.04	1.19	1.19
25.0	3.48	3.46	0.02	41.74	179.72	25.0	1.05	1.19	1.19
30.0	3.50	3.48	0.03	41.01	179.59	30.0	1.06	1.19	1.19
35.0	3.51	3.49	0.02	40.28	179.51	35.0	1.07	1.19	1.19
40.0	3.52	3.49	0.03	39.46	179.46	40.0	1.08	1.19	1.19
45.0	3.53	3.50	0.03	38.69	179.37	45.0	1.09	1.20	1.19
50.0	3.54	3.50	0.04	37.98	179.29	50.0	1.10	1.21	1.20
55.0	3.55	3.51	0.04	37.24	179.22	55.0	1.11	1.21	1.20
60.0	3.55	3.52	0.03	36.62	179.19	60.0	1.12	1.22	1.20
65.0	3.56	3.52	0.04	35.97	179.10	65.0	1.13	1.23	1.20
70.0	3.57	3.53	0.04	35.39	179.03	70.0	1.14	1.23	1.20
75.0	3.58	3.53	0.04	34.81	178.98	75.0	1.15	1.24	1.21
80.0	3.58	3.53	0.05	34.25	178.87	80.0	1.15	1.24	1.21
85.0	3.59	3.54	0.05	33.76	178.85	85.0	1.16	1.25	1.21
90.0	3.60	3.54	0.06	33.27	178.78	90.0	1.16	1.25	1.22
95.0	3.60	3.54	0.06	32.79	178.66	95.0	1.16	1.25	1.22
100.0	3.61	3.55	0.06	32.33	178.59	100.0	1.17	1.24	1.22
105.0	3.62	3.54	0.08	31.91	178.59	105.0	1.17	1.24	1.22
110.0	3.62	3.54	0.08	31.48	178.48	110.0	1.18	1.24	1.23
115.0	3.62	3.54	0.08	31.09	178.42	115.0	1.19	1.24	1.23
120.0	3.63	3.54	0.09	30.73	178.37	120.0	1.20	1.24	1.24
130.0	3.66	3.56	0.10	30.04	178.21	130.0	1.23	1.26	1.24
140.0	3.70	3.59	0.11	29.41	178.08	140.0	1.27	1.29	1.25
150.0	3.76	3.63	0.13	28.82	177.99	150.0	1.30	1.32	1.26
160.0	3.79	3.65	0.15	28.22	177.87	160.0	1.32	1.34	1.27
170.0	3.80	3.64	0.16	27.65	177.77	170.0	1.33	1.36	1.28
180.0	3.79	3.62	0.17	27.09	177.67	180.0	1.34	1.36	1.29
190.0	3.77	3.59	0.18	26.57	177.55	190.0	1.34	1.35	1.29
200.0	3.75	3.55	0.20	26.08	177.40	200.0	1.34	1.35	1.30

¹Total Loss = Insertion Loss + 3dB Splitter Loss

