

6 Way-0° Power Splitter/Combiner

PSC-6-1W+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹			AMP. UNBAL. (dB)	ISOLATION			PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR		
	S-1	S-2	S-3		1-2	1-3	5-6			S	1	3
0.3	8.53	8.52	8.53	0.03	30.94	31.41	32.79	0.75	0.3	1.38	1.70	1.73
0.5	8.43	8.43	8.43	0.01	31.58	31.99	32.19	0.41	0.5	1.27	1.49	1.51
0.7	8.38	8.38	8.38	0.01	31.69	32.03	31.74	0.29	0.7	1.24	1.41	1.42
1.0	8.33	8.33	8.32	0.01	31.51	31.81	31.29	0.20	1.0	1.23	1.34	1.35
3	8.20	8.20	8.20	0.01	30.82	31.00	30.58	0.07	3	1.24	1.21	1.21
5	8.18	8.18	8.18	0.01	30.62	30.79	30.46	0.07	5	1.24	1.18	1.18
7	8.18	8.18	8.17	0.01	30.54	30.74	30.43	0.06	7	1.25	1.17	1.17
10	8.18	8.18	8.18	0.01	30.48	30.69	30.43	0.05	10	1.25	1.16	1.16
15	8.20	8.20	8.20	0.01	30.45	30.69	30.47	0.06	15	1.26	1.15	1.15
20	8.22	8.21	8.21	0.01	30.40	30.66	30.43	0.08	20	1.26	1.15	1.15
30	8.25	8.25	8.24	0.01	30.28	30.62	30.30	0.14	30	1.27	1.14	1.15
40	8.28	8.27	8.27	0.02	30.09	30.50	30.03	0.18	40	1.27	1.14	1.14
50	8.30	8.29	8.29	0.02	29.85	30.34	29.74	0.22	50	1.27	1.13	1.14
60	8.32	8.31	8.31	0.03	29.58	30.13	29.40	0.28	60	1.28	1.13	1.13
70	8.35	8.33	8.33	0.03	29.26	29.90	29.03	0.34	70	1.28	1.13	1.13
80	8.36	8.35	8.35	0.04	28.98	29.69	28.68	0.39	80	1.28	1.12	1.13
90	8.38	8.37	8.37	0.04	28.71	29.49	28.34	0.44	90	1.28	1.12	1.12
100	8.40	8.38	8.38	0.05	28.49	29.33	28.03	0.48	100	1.27	1.11	1.12
110	8.42	8.39	8.39	0.06	28.27	29.18	27.72	0.53	110	1.27	1.10	1.11
120	8.43	8.41	8.41	0.07	28.08	29.05	27.44	0.60	120	1.26	1.10	1.11
130	8.45	8.42	8.42	0.08	27.96	29.00	27.23	0.66	130	1.26	1.09	1.10
140	8.46	8.43	8.43	0.09	27.97	29.08	27.10	0.71	140	1.25	1.09	1.10
150	8.48	8.44	8.44	0.11	28.02	29.23	27.00	0.76	150	1.24	1.08	1.09
160	8.50	8.46	8.46	0.12	28.03	29.32	26.85	0.83	160	1.23	1.08	1.09
180	8.54	8.49	8.49	0.15	28.12	29.60	26.51	0.97	180	1.20	1.08	1.09
200	8.59	8.52	8.52	0.19	28.41	30.11	26.22	1.13	200	1.17	1.09	1.10
220	8.65	8.57	8.57	0.23	28.70	30.61	25.80	1.31	220	1.14	1.10	1.11
240	8.72	8.64	8.63	0.28	28.62	30.55	25.09	1.50	240	1.15	1.12	1.13
250	8.77	8.68	8.67	0.30	28.31	30.14	24.61	1.61	250	1.17	1.13	1.14
270	8.91	8.79	8.78	0.36	27.09	28.52	23.40	1.84	270	1.23	1.15	1.16
300	9.19	9.05	9.04	0.47	24.17	25.04	21.14	2.21	300	1.42	1.19	1.21
320	9.46	9.32	9.30	0.55	22.04	22.71	19.54	2.51	320	1.59	1.22	1.24
340	9.83	9.66	9.65	0.65	20.02	20.59	17.98	2.82	340	1.81	1.24	1.28
360	10.31	10.12	10.11	0.76	18.19	18.70	16.53	3.13	360	2.10	1.26	1.31
380	10.92	10.72	10.70	0.88	16.59	17.05	15.23	3.43	380	2.47	1.27	1.34
400	11.68	11.46	11.44	1.03	15.19	15.64	14.10	3.73	400	2.92	1.29	1.37

¹Total Loss = Insertion Loss + 7.8dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS



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PSC-6-1W+
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