

2 Way-90° Power Splitter/Combiner

SYPQ-181+

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹ (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR		
	S-1	S-2					S	(:1) 1	2
120.0	3.08	3.30	0.22	28.76	89.75	120.0	1.10	1.11	1.10
125.0	3.17	3.23	0.06	28.39	89.80	125.0	1.11	1.12	1.11
130.0	3.24	3.17	0.07	27.91	89.86	130.0	1.11	1.12	1.11
132.0	3.26	3.15	0.12	27.69	89.88	132.0	1.11	1.12	1.11
134.0	3.28	3.13	0.16	27.47	89.91	134.0	1.11	1.13	1.12
136.0	3.30	3.11	0.19	27.19	89.94	136.0	1.12	1.13	1.12
138.0	3.32	3.10	0.22	26.95	89.97	138.0	1.12	1.13	1.12
140.0	3.34	3.09	0.25	26.67	90.00	140.0	1.12	1.13	1.13
142.0	3.35	3.08	0.27	26.38	90.03	142.0	1.12	1.14	1.13
144.0	3.37	3.07	0.29	26.05	90.07	144.0	1.12	1.14	1.13
146.0	3.38	3.07	0.31	25.76	90.10	146.0	1.13	1.14	1.14
148.0	3.38	3.07	0.32	25.44	90.15	148.0	1.13	1.15	1.14
150.0	3.39	3.07	0.32	25.10	90.19	150.0	1.13	1.15	1.15
152.0	3.39	3.08	0.32	24.76	90.24	152.0	1.14	1.15	1.15
154.0	3.40	3.08	0.31	24.43	90.29	154.0	1.14	1.16	1.16
156.0	3.40	3.09	0.30	24.07	90.35	156.0	1.14	1.16	1.16
158.0	3.39	3.11	0.29	23.70	90.41	158.0	1.15	1.16	1.17
160.0	3.39	3.12	0.27	23.34	90.47	160.0	1.15	1.17	1.17
162.0	3.38	3.14	0.24	22.98	90.54	162.0	1.16	1.18	1.18
164.0	3.37	3.16	0.21	22.60	90.61	164.0	1.16	1.18	1.19
166.0	3.36	3.19	0.17	22.21	90.70	166.0	1.17	1.19	1.19
168.0	3.34	3.22	0.13	21.82	90.79	168.0	1.17	1.19	1.20
170.0	3.33	3.25	0.08	21.44	90.88	170.0	1.18	1.20	1.21
172.0	3.31	3.29	0.02	21.05	90.99	172.0	1.19	1.21	1.22
175.0	3.27	3.35	0.07	20.45	91.17	175.0	1.20	1.22	1.23
180.0	3.21	3.48	0.27	19.44	91.54	180.0	1.22	1.24	1.26

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS



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