

2 Way-90° Power Splitter/Combiner

SCPQ-50+

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB)	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR		
	(dB)						(:1)		
	S-1	S-2					S	1	2
25.0	3.54	2.73	0.82	27.99	89.43	25.0	1.12	1.13	1.13
25.6	3.47	2.80	0.67	27.94	89.40	25.6	1.13	1.13	1.13
26.3	3.39	2.87	0.52	27.90	89.41	26.3	1.13	1.13	1.13
26.9	3.32	2.93	0.39	27.85	89.41	26.9	1.13	1.13	1.13
27.5	3.26	3.00	0.26	27.82	89.39	27.5	1.13	1.12	1.13
28.1	3.20	3.06	0.14	27.78	89.42	28.1	1.13	1.12	1.13
28.8	3.14	3.12	0.02	27.72	89.43	28.8	1.13	1.12	1.13
29.4	3.09	3.18	0.09	27.68	89.43	29.4	1.13	1.12	1.13
30.0	3.04	3.23	0.19	27.65	89.45	30.0	1.13	1.12	1.13
30.6	3.00	3.28	0.28	27.61	89.44	30.6	1.13	1.12	1.13
31.3	2.96	3.33	0.37	27.57	89.44	31.3	1.13	1.12	1.13
31.9	2.92	3.38	0.46	27.52	89.44	31.9	1.13	1.12	1.13
32.5	2.88	3.42	0.54	27.49	89.45	32.5	1.13	1.12	1.13
33.1	2.85	3.46	0.61	27.46	89.44	33.1	1.13	1.12	1.13
33.8	2.83	3.51	0.68	27.41	89.44	33.8	1.13	1.12	1.13
34.4	2.80	3.54	0.74	27.38	89.48	34.4	1.13	1.12	1.13
35.0	2.77	3.57	0.80	27.34	89.45	35.0	1.13	1.12	1.13
35.6	2.75	3.60	0.85	27.30	89.51	35.6	1.13	1.12	1.13
36.3	2.74	3.63	0.89	27.27	89.48	36.3	1.13	1.12	1.13
36.9	2.72	3.65	0.93	27.24	89.49	36.9	1.13	1.12	1.13
37.5	2.71	3.68	0.97	27.20	89.50	37.5	1.13	1.12	1.13
38.1	2.70	3.70	0.99	27.17	89.53	38.1	1.13	1.13	1.13
38.8	2.70	3.71	1.02	27.12	89.51	38.8	1.13	1.13	1.13
39.4	2.69	3.73	1.03	27.08	89.56	39.4	1.13	1.13	1.13
40.0	2.69	3.74	1.05	27.05	89.56	40.0	1.13	1.13	1.13
40.6	2.69	3.74	1.05	27.01	89.57	40.6	1.14	1.13	1.13
41.3	2.70	3.75	1.05	26.96	89.58	41.3	1.14	1.13	1.13
41.9	2.70	3.75	1.05	26.95	89.62	41.9	1.14	1.13	1.13
42.5	2.71	3.75	1.03	26.90	89.63	42.5	1.14	1.13	1.13
43.1	2.73	3.74	1.01	26.87	89.63	43.1	1.14	1.13	1.13
43.8	2.74	3.73	0.99	26.84	89.66	43.8	1.14	1.14	1.13
44.4	2.76	3.72	0.95	26.79	89.66	44.4	1.14	1.14	1.13
45.0	2.79	3.70	0.92	26.78	89.70	45.0	1.15	1.14	1.14
45.6	2.81	3.68	0.87	26.74	89.73	45.6	1.15	1.14	1.14
46.3	2.84	3.66	0.82	26.71	89.74	46.3	1.15	1.14	1.14
46.9	2.88	3.63	0.76	26.68	89.79	46.9	1.15	1.14	1.14
47.5	2.91	3.60	0.70	26.66	89.80	47.5	1.15	1.15	1.14
48.1	2.95	3.57	0.62	26.65	89.83	48.1	1.16	1.15	1.14
48.8	2.99	3.53	0.54	26.62	89.87	48.8	1.16	1.15	1.14
49.4	3.05	3.50	0.45	26.62	89.87	49.4	1.16	1.15	1.15
50.0	3.10	3.45	0.35	26.62	89.92	50.0	1.16	1.16	1.15

¹Total Loss = Insertion Loss + 3dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS



REV. X2

SCPQ-50+

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