

2 Way-0° Power Splitter/Combiner

SCPJ-ED7311/2

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	ISOLATION (dB)	PHASE UNBAL. (deg.)	FREQ. (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
1.0	5.29	3.83	1.46	17.88	175.09	1.0	1.53	2.45	1.74
15.0	4.12	3.40	0.72	24.00	180.90	15.0	1.14	1.46	1.25
20.0	4.12	3.40	0.72	24.13	180.55	20.0	1.14	1.45	1.24
25.0	4.12	3.41	0.72	24.21	180.48	25.0	1.13	1.44	1.24
30.0	4.13	3.42	0.71	24.29	180.33	30.0	1.13	1.44	1.23
32.0	4.13	3.42	0.71	24.29	180.27	32.0	1.13	1.43	1.23
34.0	4.13	3.40	0.73	24.32	180.27	34.0	1.13	1.43	1.23
36.0	4.14	3.42	0.72	24.34	180.25	36.0	1.13	1.43	1.23
38.0	4.14	3.42	0.72	24.37	180.16	38.0	1.13	1.43	1.23
40.0	4.13	3.42	0.71	24.38	180.16	40.0	1.13	1.43	1.23
42.0	4.13	3.42	0.71	24.41	180.12	42.0	1.13	1.43	1.23
44.0	4.14	3.43	0.71	24.44	180.16	44.0	1.13	1.43	1.23
46.0	4.13	3.44	0.70	24.45	180.09	46.0	1.13	1.43	1.23
48.0	4.14	3.42	0.72	24.49	180.11	48.0	1.13	1.43	1.23
50.0	4.14	3.43	0.70	24.50	180.09	50.0	1.13	1.42	1.22
131.0	4.17	3.50	0.67	25.31	179.66	131.0	1.15	1.39	1.21
212.0	4.19	3.57	0.61	26.53	179.39	212.0	1.20	1.37	1.21
293.0	4.19	3.65	0.53	28.01	179.23	293.0	1.20	1.35	1.20
374.0	4.17	3.75	0.42	29.04	178.96	374.0	1.17	1.29	1.16
455.0	4.18	3.88	0.30	27.66	178.77	455.0	1.10	1.20	1.10
536.0	4.18	4.03	0.15	24.95	178.55	536.0	1.03	1.13	1.06
617.0	4.24	4.26	0.02	22.63	178.52	617.0	1.12	1.09	1.06
698.0	4.29	4.48	0.19	21.06	181.25	698.0	1.19	1.05	1.09
779.0	4.33	4.68	0.36	20.32	181.19	779.0	1.23	1.03	1.11
860.0	4.38	4.90	0.52	20.39	180.93	860.0	1.20	1.06	1.09
894.0	4.42	5.01	0.59	20.69	180.81	894.0	1.16	1.09	1.08
928.0	4.46	5.09	0.63	21.09	180.69	928.0	1.10	1.11	1.07
962.0	4.50	5.22	0.71	21.61	180.54	962.0	1.09	1.12	1.07
996.0	4.55	5.33	0.78	22.08	180.34	996.0	1.09	1.14	1.07
1030.0	4.60	5.46	0.86	22.25	179.97	1030.0	1.12	1.16	1.09
1064.0	4.70	5.59	0.89	21.90	179.71	1064.0	1.21	1.18	1.10
1098.0	4.80	5.78	0.98	20.99	179.50	1098.0	1.29	1.20	1.12
1132.0	4.92	5.95	1.03	19.66	179.08	1132.0	1.36	1.23	1.14
1166.0	5.04	6.14	1.09	18.18	178.65	1166.0	1.45	1.27	1.17
1200.0	5.20	6.34	1.14	16.71	178.14	1200.0	1.53	1.30	1.19

¹Total Loss = Insertion Loss + 3dB Splitter Loss

REV. X2

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