

4 Way-Quadrifilar Power Splitter/Combiner

SCQA-ED16134/1

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBALANCE (Deg.)				FREQ. (MHz)	VSWR (:1)				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4	@ 0° Port	@ 90° Port	@ 180° Port	@ 270° Port		S	1	2	3	4
600.0	8.12	7.37	7.82	7.08	1.03	20.86	24.68	41.12	0.00	91.17	179.85	268.44	600.0	1.59	1.09	1.10	1.20	1.24
650.0	7.89	7.54	7.71	7.36	0.53	22.26	26.95	37.17	0.00	91.55	182.37	270.69	650.0	1.61	1.13	1.16	1.19	1.23
700.0	7.78	7.75	7.58	7.53	0.26	21.31	27.41	29.01	0.00	91.97	183.96	272.03	700.0	1.60	1.16	1.23	1.17	1.22
720.0	7.76	7.83	7.53	7.57	0.30	20.73	27.16	27.26	0.00	92.14	184.33	272.27	720.0	1.58	1.17	1.25	1.15	1.21
740.0	7.75	7.90	7.49	7.61	0.41	20.17	26.83	25.91	0.00	92.32	184.55	272.37	740.0	1.56	1.18	1.27	1.14	1.21
760.0	7.75	7.97	7.45	7.64	0.52	19.67	26.48	24.82	0.00	92.48	184.64	272.35	760.0	1.53	1.18	1.29	1.12	1.20
780.0	7.76	8.03	7.42	7.67	0.61	19.24	26.17	23.94	0.00	92.69	184.60	272.20	780.0	1.51	1.17	1.30	1.10	1.19
800.0	7.77	8.09	7.40	7.69	0.68	18.88	25.93	23.22	0.00	92.88	184.46	271.94	800.0	1.49	1.16	1.30	1.08	1.19
820.0	7.78	8.13	7.39	7.70	0.74	18.60	25.78	22.62	0.00	93.06	184.24	271.60	820.0	1.47	1.15	1.31	1.06	1.18
840.0	7.81	8.16	7.40	7.72	0.76	18.38	25.74	22.11	0.00	93.23	183.97	271.18	840.0	1.44	1.14	1.31	1.05	1.17
860.0	7.84	8.18	7.42	7.73	0.77	18.21	25.75	21.67	0.00	93.39	183.63	270.71	860.0	1.42	1.13	1.30	1.03	1.16
880.0	7.87	8.20	7.45	7.74	0.75	18.08	25.83	21.26	0.00	93.57	176.75	269.83	880.0	1.40	1.11	1.29	1.01	1.15
900.0	7.92	8.21	7.49	7.75	0.71	17.98	25.97	20.88	0.00	93.76	182.82	270.43	900.0	1.39	1.09	1.28	1.01	1.14
920.0	7.98	8.20	7.55	7.75	0.65	17.90	26.13	20.51	0.00	93.93	182.37	271.06	920.0	1.38	1.08	1.27	1.03	1.14
940.0	8.05	8.19	7.63	7.75	0.56	17.82	26.33	20.12	0.00	94.12	181.88	271.73	940.0	1.38	1.07	1.25	1.04	1.13
960.0	8.13	8.18	7.72	7.74	0.46	17.71	26.49	19.71	0.00	94.28	181.39	272.44	960.0	1.38	1.07	1.22	1.06	1.13
980.0	8.25	8.16	7.84	7.74	0.51	17.53	26.58	19.23	0.00	94.49	180.84	273.19	980.0	1.39	1.09	1.20	1.07	1.13
1000.0	8.38	8.15	7.99	7.74	0.64	17.28	26.61	18.69	0.00	94.70	180.29	274.00	1000.0	1.41	1.11	1.17	1.09	1.14

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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