

4 Way-Quadrifilar Power Splitter/Combiner

SCQA-4-13+

Typical Performance Data

FREQ. (MHz)	TOTAL LOSS ¹ (dB)				AMP. UNBAL. (dB)	INSERTION PHASE (Deg.) S-1	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	7.92	7.22	7.67	6.93	0.99	-28.11	20.94	24.31	40.32	0.00	91.06	179.43	268.31	600.0	1.55	1.10	1.10	1.22	1.25
650.0	7.70	7.39	7.56	7.20	0.50	-56.53	22.04	26.35	35.99	0.00	91.45	182.06	270.67	650.0	1.58	1.13	1.16	1.21	1.24
700.0	7.61	7.60	7.43	7.36	0.25	-84.13	20.95	26.66	28.17	0.00	91.87	183.70	272.08	700.0	1.56	1.17	1.23	1.18	1.22
720.0	7.59	7.68	7.38	7.40	0.30	-94.99	20.38	26.42	26.48	0.00	92.04	184.07	272.32	720.0	1.55	1.17	1.25	1.17	1.22
740.0	7.58	7.75	7.33	7.43	0.42	-105.81	19.85	26.13	25.15	0.00	92.20	184.30	272.45	740.0	1.53	1.18	1.27	1.15	1.21
760.0	7.58	7.82	7.29	7.46	0.53	-116.56	19.38	25.84	24.09	0.00	92.38	184.39	272.42	760.0	1.51	1.17	1.28	1.13	1.20
780.0	7.59	7.87	7.26	7.49	0.61	-127.27	18.99	25.61	23.23	0.00	92.58	184.35	272.26	780.0	1.49	1.17	1.29	1.11	1.19
800.0	7.60	7.92	7.24	7.50	0.68	-137.96	18.68	25.44	22.53	0.00	92.76	184.19	272.01	800.0	1.47	1.16	1.29	1.09	1.19
820.0	7.61	7.96	7.23	7.51	0.73	-148.66	18.43	25.36	21.95	0.00	92.94	183.98	271.67	820.0	1.45	1.15	1.30	1.07	1.18
840.0	7.64	7.99	7.24	7.53	0.75	-159.39	18.25	25.41	21.47	0.00	93.11	183.69	271.24	840.0	1.42	1.14	1.29	1.05	1.17
860.0	7.67	8.01	7.25	7.53	0.75	-170.15	18.11	25.53	21.05	0.00	93.27	183.35	270.95	860.0	1.41	1.12	1.29	1.03	1.16
880.0	7.71	8.02	7.29	7.54	0.73	179.02	18.00	25.72	20.67	0.00	93.47	177.06	270.21	880.0	1.39	1.11	1.28	1.02	1.15
900.0	7.76	8.02	7.33	7.54	0.69	168.13	17.92	25.97	20.31	0.00	93.66	182.51	269.61	900.0	1.38	1.09	1.26	1.02	1.15
920.0	7.82	8.01	7.40	7.54	0.62	157.16	17.85	26.28	19.97	0.00	93.84	182.04	268.86	920.0	1.38	1.08	1.25	1.03	1.14
940.0	7.89	8.00	7.48	7.54	0.52	146.05	17.76	26.62	19.61	0.00	94.03	181.54	268.29	940.0	1.38	1.08	1.23	1.05	1.14
960.0	7.98	7.98	7.58	7.53	0.45	134.81	17.65	26.92	19.22	0.00	94.20	181.03	267.56	960.0	1.38	1.09	1.21	1.07	1.14
980.0	8.10	7.96	7.70	7.53	0.57	123.42	17.46	27.12	18.77	0.00	94.41	180.47	266.79	980.0	1.40	1.10	1.19	1.08	1.15
1000.0	8.25	7.94	7.85	7.53	0.72	111.86	17.18	27.20	18.26	0.00	94.63	179.90	265.97	1000.0	1.42	1.13	1.17	1.10	1.16

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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