

4 Way-Quadrifilar Power Splitter/Combiner

SCQA-4-232+

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
1700.0	8.25	7.33	7.89	6.86	1.39	-174.46	23.36	17.36	21.66	0.00	91.94	180.76	271.29	1700.0	1.19	1.08	1.14	1.12	1.15
1750.0	8.15	7.35	7.76	6.83	1.32	164.43	25.14	17.69	23.15	0.00	92.16	180.55	271.18	1750.0	1.15	1.09	1.16	1.11	1.16
1800.0	8.07	7.37	7.67	6.81	1.27	143.68	26.75	18.07	24.93	0.00	92.39	180.27	270.98	1800.0	1.11	1.12	1.18	1.11	1.17
1850.0	8.02	7.40	7.59	6.80	1.22	123.20	27.77	18.48	26.95	0.00	92.64	179.90	290.71	1850.0	1.07	1.15	1.19	1.10	1.18
1900.0	7.99	7.44	7.53	6.80	1.19	102.98	27.90	18.82	29.08	0.00	92.87	179.49	270.41	1900.0	1.05	1.18	1.20	1.11	1.19
1950.0	7.98	7.48	7.49	6.80	1.17	82.97	27.48	19.05	31.18	0.00	93.08	179.02	270.05	1950.0	1.07	1.21	1.20	1.12	1.20
2000.0	7.99	7.52	7.47	6.81	1.18	63.21	27.00	19.13	33.28	0.00	93.29	178.51	269.41	2000.0	1.10	1.24	1.18	1.13	1.19
2050.0	8.02	7.56	7.47	6.82	1.19	43.65	26.77	19.03	35.75	0.00	93.52	177.93	269.05	2050.0	1.14	1.27	1.16	1.15	1.18
2100.0	8.06	7.60	7.48	6.84	1.22	24.31	26.84	18.82	39.30	0.00	93.75	177.29	268.38	2100.0	1.17	1.30	1.13	1.16	1.16
2120.0	8.08	7.61	7.49	6.84	1.23	16.61	26.96	18.69	41.17	0.00	93.84	177.01	268.12	2120.0	1.18	1.31	1.12	1.17	1.15
2140.0	8.10	7.62	7.50	6.84	1.25	8.95	27.13	18.58	42.66	0.00	93.93	176.71	267.82	2140.0	1.19	1.31	1.10	1.17	1.14
2160.0	8.12	7.63	7.51	6.85	1.27	1.31	27.33	18.46	42.23	0.00	94.01	176.44	267.49	2160.0	1.20	1.32	1.09	1.17	1.13
2180.0	8.14	7.64	7.53	6.85	1.29	-6.32	27.54	18.36	39.91	0.00	94.08	176.15	267.17	2180.0	1.21	1.33	1.07	1.18	1.12
2190.0	8.15	7.64	7.53	6.86	1.30	-10.13	27.63	18.31	38.53	0.00	94.13	176.00	267.01	2190.0	1.21	1.33	1.07	1.18	1.12
2200.0	8.17	7.65	7.54	6.86	1.31	-13.93	27.73	18.26	37.19	0.00	94.17	175.86	266.84	2200.0	1.22	1.33	1.06	1.18	1.11
2201.0	8.17	7.65	7.54	6.86	1.31	-14.30	27.74	18.25	37.04	0.00	94.18	175.85	266.82	2201.0	1.22	1.33	1.06	1.18	1.11
2205.0	8.17	7.65	7.54	6.86	1.31	-15.83	27.77	18.23	36.55	0.00	94.18	175.79	266.76	2205.0	1.22	1.33	1.05	1.18	1.11
2210.0	8.18	7.65	7.55	6.86	1.32	-17.72	27.81	18.21	35.91	0.00	94.21	175.71	266.66	2210.0	1.22	1.33	1.05	1.18	1.11
2220.0	8.19	7.65	7.56	6.86	1.33	-21.50	27.87	18.16	34.72	0.00	94.26	175.54	266.48	2220.0	1.22	1.33	1.04	1.18	1.11
2240.0	8.21	7.65	7.58	6.86	1.35	-29.07	27.95	18.08	32.59	0.00	94.33	175.22	266.12	2240.0	1.23	1.33	1.03	1.18	1.10
2260.0	8.24	7.65	7.60	6.86	1.37	-36.63	27.91	18.01	30.74	0.00	94.40	174.93	265.75	2260.0	1.23	1.33	1.02	1.18	1.10
2280.0	8.26	7.65	7.63	6.86	1.40	-44.19	27.71	17.97	29.13	0.00	94.49	174.62	265.37	2280.0	1.23	1.33	1.02	1.18	1.10
2300.0	8.29	7.65	7.65	6.86	1.43	-51.73	27.36	17.94	27.69	0.00	94.54	174.30	264.99	2300.0	1.23	1.33	1.04	1.18	1.11

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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