

4 Way-0° Power Splitter/Combiner

SCP-ED13281A/1

Typical Data Performance

FREQ. (MHz)	TOTAL LOSS ¹				AMP. UNBAL.	ISOLATION			PHASE UNBAL.	FREQ. (MHz)	VSWR				
(MHz)	(dB)				(dB)	(dB)			(Deg.)	(MHz)	(:1)				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4			S	1	2	3	4
2.0	6.42	6.42	6.42	6.41	0.01	25.60	35.97	24.70	0.06	2.0	1.12	1.32	1.32	1.33	1.34
2.5	6.40	6.39	6.40	6.39	0.01	26.97	36.85	25.99	0.06	2.5	1.11	1.28	1.28	1.29	1.29
3.0	6.39	6.38	6.39	6.38	0.01	28.17	37.70	27.12	0.06	3.0	1.10	1.24	1.24	1.25	1.26
3.5	6.38	6.38	6.38	6.37	0.01	29.27	38.44	28.15	0.06	3.5	1.09	1.22	1.22	1.23	1.23
4.0	6.37	6.37	6.38	6.36	0.01	30.24	39.08	29.08	0.07	4.0	1.09	1.20	1.20	1.20	1.21
5.0	6.37	6.36	6.37	6.36	0.01	31.96	40.36	30.71	0.07	5.0	1.08	1.17	1.17	1.17	1.18
6.0	6.36	6.36	6.37	6.36	0.01	33.52	41.37	32.22	0.05	6.0	1.08	1.15	1.15	1.15	1.15
10.0	6.36	6.36	6.37	6.35	0.01	38.25	43.52	36.96	0.04	10.0	1.08	1.11	1.11	1.11	1.11
12.0	6.36	6.36	6.37	6.36	0.01	40.07	43.69	38.86	0.04	12.0	1.07	1.10	1.10	1.10	1.10
14.0	6.36	6.36	6.37	6.36	0.01	41.72	44.04	40.60	0.08	14.0	1.07	1.10	1.10	1.10	1.10
16.0	6.37	6.36	6.37	6.36	0.01	42.87	43.95	41.99	0.08	16.0	1.07	1.10	1.09	1.09	1.09
20.0	6.37	6.37	6.38	6.37	0.01	44.37	43.65	44.34	0.08	20.0	1.07	1.09	1.09	1.09	1.09
25.0	6.38	6.38	6.39	6.37	0.01	44.34	43.25	44.84	0.10	25.0	1.07	1.09	1.09	1.09	1.09
50.0	6.41	6.41	6.42	6.40	0.01	38.83	40.45	39.06	0.18	50.0	1.08	1.09	1.09	1.09	1.09
100.0	6.46	6.45	6.46	6.44	0.02	32.89	36.85	32.92	0.38	100.0	1.09	1.09	1.09	1.09	1.09
180.0	6.52	6.51	6.52	6.50	0.03	28.13	33.37	28.14	0.66	180.0	1.12	1.09	1.08	1.08	1.08
300.0	6.61	6.62	6.63	6.59	0.04	24.33	30.30	24.15	1.00	300.0	1.17	1.10	1.06	1.08	1.06
380.0	6.68	6.70	6.71	6.65	0.06	22.70	28.94	22.40	1.24	380.0	1.20	1.10	1.04	1.07	1.05
420.0	6.71	6.74	6.75	6.68	0.07	22.09	28.46	21.74	1.35	420.0	1.21	1.09	1.03	1.06	1.04
500.0	6.79	6.84	6.84	6.75	0.09	21.14	27.76	20.67	1.56	500.0	1.23	1.09	1.02	1.05	1.04
550.0	6.88	6.95	6.94	6.82	0.12	20.61	27.32	20.12	1.66	550.0	1.25	1.08	1.03	1.04	1.04
600.0	6.88	6.96	6.94	6.82	0.14	20.20	26.82	19.74	1.81	600.0	1.26	1.07	1.04	1.03	1.05
650.0	6.90	6.99	6.97	6.84	0.15	20.01	26.72	19.59	1.94	650.0	1.26	1.06	1.05	1.03	1.06
750.0	6.94	7.09	7.06	6.89	0.21	20.00	26.94	19.71	2.07	750.0	1.25	1.03	1.08	1.04	1.08
800.0	6.97	7.12	7.10	6.90	0.22	20.18	27.22	19.99	2.16	800.0	1.23	1.01	1.10	1.06	1.09
1000.0	7.07	7.31	7.31	7.03	0.28	22.01	32.16	22.47	2.03	1000.0	1.07	1.11	1.17	1.18	1.15

¹Total Loss = Insertion Loss + 6dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS



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