

4 Way-0° Power Splitter/Combiner

SYPS-4-182-75X+

Typical Performance Data

FREQ. (MHz)	INSERTION LOSS ¹ (dB)				AMP. UNBAL. (dB)	ISOLATION (dB)			PHASE UNBAL. (deg.)	FREQ. (MHz)	Return Loss (dB)				
	S-1	S-2	S-3	S-4		1-2	2-3	3-4			S	1	2	3	4
5	1.06	1.06	1.05	1.05	0.01	30.21	26.99	29.29	0.04	5	23.77	16.61	16.60	15.62	15.64
11	0.94	0.94	0.94	0.94	0.01	34.77	26.66	30.59	0.10	11	28.27	19.34	19.34	17.64	17.67
17	0.92	0.92	0.92	0.92	0.00	37.05	26.59	30.89	0.15	17	30.25	20.18	20.17	18.19	18.20
23	0.92	0.92	0.92	0.92	0.00	37.98	26.57	30.92	0.19	23	31.33	20.51	20.47	18.39	18.40
28	0.92	0.92	0.92	0.92	0.00	38.14	26.61	30.98	0.25	28	31.83	20.63	20.59	18.47	18.47
34	0.93	0.93	0.93	0.93	0.00	38.02	26.65	30.90	0.28	34	32.30	20.72	20.69	18.51	18.50
40	0.93	0.93	0.94	0.93	0.00	37.77	26.66	30.84	0.33	40	32.47	20.76	20.72	18.55	18.51
178	1.01	1.02	1.02	1.01	0.01	28.83	25.86	27.99	1.36	178	30.19	22.41	22.61	19.67	19.73
317	1.08	1.09	1.08	1.08	0.01	24.81	24.41	25.89	2.51	317	29.74	25.08	25.21	21.13	21.33
455	1.15	1.17	1.18	1.18	0.02	22.55	23.08	24.94	3.60	455	31.43	28.30	26.92	22.47	22.67
593	1.28	1.29	1.30	1.31	0.02	21.13	22.16	24.58	4.82	593	26.19	26.77	25.24	22.56	23.40
732	1.42	1.44	1.44	1.45	0.03	20.51	21.99	25.06	6.15	732	22.40	23.49	22.61	21.77	23.30
870	1.58	1.59	1.60	1.61	0.03	20.19	22.44	25.26	7.65	870	20.17	22.12	20.79	21.61	23.53
928	1.62	1.66	1.66	1.67	0.05	19.97	22.70	24.71	8.28	928	19.81	20.95	20.19	21.71	24.19
987	1.69	1.71	1.72	1.74	0.05	19.71	23.11	23.78	9.06	987	19.46	21.29	20.01	22.22	24.84
1045	1.73	1.78	1.78	1.81	0.07	19.46	23.64	22.87	9.68	1045	19.37	20.89	19.87	22.94	27.16
1103	1.78	1.84	1.85	1.87	0.09	18.92	24.03	21.70	10.52	1103	19.34	20.81	19.70	24.09	28.13
1162	1.85	1.90	1.91	1.96	0.11	18.54	24.88	20.68	11.29	1162	19.29	21.10	19.91	25.61	32.67
1220	1.90	2.00	1.99	2.03	0.13	18.19	25.46	19.92	12.08	1220	19.44	20.42	19.68	27.46	38.21
1303	2.00	2.10	2.11	2.15	0.16	17.61	26.80	18.84	13.32	1303	19.71	20.54	19.58	31.08	47.91
1386	2.12	2.21	2.25	2.31	0.19	17.11	28.97	17.86	14.73	1386	20.24	20.49	19.50	37.96	33.70
1469	2.23	2.34	2.40	2.49	0.26	16.67	32.26	16.97	16.11	1469	21.40	20.05	19.16	48.72	29.03
1551	2.37	2.48	2.56	2.67	0.30	16.33	37.54	16.22	17.38	1551	23.45	19.65	18.74	40.50	26.06
1634	2.52	2.65	2.72	2.88	0.36	16.07	40.12	15.65	19.00	1634	26.63	19.68	18.24	35.37	24.96
1717	2.65	2.81	2.89	3.10	0.45	15.88	34.77	15.18	20.82	1717	27.23	20.01	17.88	31.99	24.33
1800	2.82	2.96	3.10	3.35	0.53	15.82	30.31	14.73	22.78	1800	22.85	20.82	17.65	28.97	23.56

¹Insertion loss is loss above theoretical loss (6dB)



P.O. Box 350166, Brooklyn, New York 11235-0003 • (718) 934-4500 • Fax (718) 332-4661 For detailed performance specs & shopping online see Mini-Circuits web site
The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. OR
SYPS-4-182-75X+
5/20/2025
Page 1 of 1