

2 Way-180° Power Splitter/Combiner ZFSCJ-ED10503/1

Typical Performance Data

FREQUENCY (MHz)	TOTAL LOSS ¹ (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB)	PHASE UNBALANCE (deg.)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
2.0	4.02	4.66	0.64	24.61	162.68	2.0	2.42	1.59	2.94
3.0	3.70	3.94	0.24	28.45	168.31	3.0	1.81	1.40	2.07
4.0	3.63	3.79	0.16	32.04	171.62	4.0	1.54	1.31	1.73
5.0	3.65	3.79	0.14	35.00	173.42	5.0	1.42	1.27	1.56
6.0	3.67	3.82	0.15	37.35	174.49	6.0	1.36	1.25	1.48
7.0	3.69	3.83	0.15	38.49	175.26	7.0	1.32	1.23	1.43
8.0	3.68	3.83	0.15	39.44	175.76	8.0	1.30	1.22	1.39
9.0	3.70	3.83	0.14	39.55	176.14	9.0	1.28	1.21	1.36
10.0	3.70	3.83	0.13	39.76	176.48	10.0	1.26	1.21	1.34
20.0	3.68	3.75	0.07	38.82	181.99	20.0	1.21	1.18	1.26
30.0	3.67	3.71	0.04	37.04	181.31	30.0	1.20	1.18	1.24
40.0	3.66	3.69	0.03	36.48	180.85	40.0	1.21	1.19	1.25
50.0	3.68	3.68	0.01	35.54	180.56	50.0	1.22	1.20	1.26
60.0	3.69	3.69	0.00	35.19	180.26	60.0	1.23	1.21	1.27
70.0	3.71	3.70	0.01	34.54	180.05	70.0	1.25	1.22	1.29
80.0	3.72	3.71	0.01	34.08	179.81	80.0	1.27	1.24	1.31
90.0	3.72	3.71	0.01	33.38	179.67	90.0	1.29	1.25	1.23
100.0	3.75	3.74	0.01	33.10	179.51	100.0	1.32	1.27	1.36
200.0	4.01	3.99	0.02	29.95	178.27	200.0	1.57	1.45	1.64
300.0	4.27	4.25	0.03	27.98	177.40	300.0	1.81	1.62	1.92
400.0	4.49	4.42	0.07	26.60	176.69	400.0	2.00	1.76	2.17
500.0	4.65	4.55	0.10	25.82	176.04	500.0	2.10	1.85	2.34
600.0	4.73	4.59	0.14	25.18	175.63	600.0	2.11	1.88	2.42
700.0	4.75	4.57	0.18	24.87	175.54	700.0	2.03	1.86	2.42
800.0	4.76	4.55	0.21	24.94	175.60	800.0	1.91	1.80	2.34
900.0	4.78	4.54	0.24	25.30	175.92	900.0	1.78	1.72	2.24
1000.0	4.84	4.54	0.29	26.20	176.46	1000.0	1.68	1.62	2.13
1050.0	4.87	4.58	0.29	26.97	183.28	1050.0	1.65	1.58	2.08
1100.0	4.93	4.64	0.30	27.91	182.81	1100.0	1.64	1.54	2.03
1150.0	4.98	4.68	0.30	29.19	182.26	1150.0	1.64	1.50	1.99
1200.0	5.08	4.78	0.30	31.02	181.59	1200.0	1.66	1.46	1.95
1250.0	5.15	4.84	0.31	33.74	180.90	1250.0	1.67	1.42	1.90
1300.0	5.25	4.93	0.32	36.79	180.13	1300.0	1.68	1.38	1.86
1350.0	5.35	5.02	0.33	37.11	179.38	1350.0	1.69	1.34	1.81
1400.0	5.48	5.10	0.38	32.60	178.55	1400.0	1.69	1.29	1.76
1450.0	5.58	5.17	0.40	28.63	177.61	1450.0	1.69	1.23	1.68
1500.0	5.75	5.31	0.44	25.51	179.79	1500.0	1.70	1.18	1.59
1550.0	5.92	5.45	0.47	22.84	175.91	1550.0	1.77	1.12	1.48
1600.0	6.24	5.74	0.50	20.66	174.97	1600.0	1.89	1.14	1.36
1650.0	6.68	6.11	0.57	18.85	174.16	1650.0	2.13	1.22	1.22

¹Total Loss = Insertion Loss + 3dB Splitter Loss



REV. X1

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IF/RF MICROWAVE COMPONENTS

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