

3 Way-0° Resistive Power Splitter/Combiner

ZF3RSC-542+

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-3		1-2	1-3	2-3			S	1	2	3
10.0	19.47	19.44	19.46	0.03	19.45	19.47	19.44	0.07	10.0	1.10	1.10	1.09	1.10
50.0	19.48	19.46	19.47	0.02	19.47	19.48	19.46	0.24	50.0	1.10	1.10	1.09	1.10
70.0	19.49	19.46	19.48	0.02	19.47	19.49	19.46	0.32	70.0	1.10	1.10	1.10	1.10
100.0	19.50	19.47	19.49	0.03	19.48	19.50	19.47	0.46	100.0	1.10	1.10	1.10	1.10
200.0	19.52	19.50	19.51	0.02	19.50	19.52	19.50	0.88	200.0	1.11	1.11	1.10	1.11
400.0	19.56	19.53	19.55	0.03	19.54	19.55	19.54	1.72	400.0	1.12	1.12	1.12	1.13
600.0	19.59	19.56	19.57	0.03	19.56	19.57	19.56	2.53	600.0	1.14	1.15	1.14	1.15
800.0	19.60	19.58	19.59	0.02	19.58	19.59	19.57	3.34	800.0	1.17	1.17	1.17	1.18
1000.0	19.61	19.60	19.61	0.02	19.60	19.61	19.57	4.13	1000.0	1.19	1.20	1.19	1.21
1200.0	19.62	19.61	19.62	0.01	19.61	19.62	19.58	4.95	1200.0	1.22	1.22	1.22	1.23
1400.0	19.63	19.61	19.63	0.02	19.62	19.63	19.59	5.82	1400.0	1.24	1.25	1.24	1.26
1600.0	19.64	19.60	19.62	0.04	19.61	19.61	19.59	6.66	1600.0	1.26	1.26	1.27	1.28
1800.0	19.62	19.58	19.60	0.05	19.59	19.59	19.58	7.37	1800.0	1.28	1.28	1.28	1.29
2000.0	19.60	19.55	19.59	0.05	19.58	19.56	19.57	8.01	2000.0	1.29	1.29	1.30	1.31
2200.0	19.58	19.54	19.58	0.04	19.58	19.54	19.54	8.68	2200.0	1.30	1.29	1.31	1.31
2400.0	19.58	19.53	19.59	0.06	19.58	19.52	19.54	9.42	2400.0	1.30	1.30	1.32	1.32
2600.0	19.57	19.51	19.59	0.08	19.58	19.50	19.54	10.15	2600.0	1.30	1.30	1.31	1.32
2800.0	19.56	19.48	19.56	0.08	19.57	19.44	19.53	10.67	2800.0	1.30	1.29	1.31	1.31
3000.0	19.52	19.40	19.52	0.12	19.52	19.36	19.49	11.17	3000.0	1.29	1.28	1.32	1.31
3200.0	19.48	19.32	19.47	0.16	19.47	19.29	19.44	11.77	3200.0	1.28	1.27	1.31	1.29
3400.0	19.44	19.24	19.42	0.20	19.42	19.21	19.38	12.36	3400.0	1.27	1.27	1.29	1.28
3600.0	19.41	19.18	19.38	0.23	19.39	19.14	19.35	12.91	3600.0	1.26	1.26	1.29	1.26
3800.0	19.39	19.11	19.34	0.28	19.36	19.07	19.33	13.44	3800.0	1.25	1.24	1.28	1.25
4000.0	19.34	19.03	19.29	0.31	19.34	19.00	19.29	13.92	4000.0	1.23	1.23	1.26	1.22
4100.0	19.31	18.99	19.26	0.33	19.33	18.95	19.26	14.13	4100.0	1.23	1.23	1.25	1.21
4200.0	19.28	18.94	19.23	0.34	19.31	18.90	19.22	14.36	4200.0	1.23	1.22	1.24	1.2
4400.0	19.21	18.85	19.17	0.36	19.25	18.79	19.13	14.93	4400.0	1.21	1.21	1.22	1.19
4600.0	19.13	18.74	19.08	0.39	19.18	18.68	19.04	15.72	4600.0	1.20	1.20	1.21	1.18
4800.0	19.09	18.62	19.00	0.46	19.10	18.57	18.97	16.59	4800.0	1.21	1.21	1.20	1.18
5000.0	19.06	18.52	18.94	0.54	19.03	18.48	18.92	17.29	5000.0	1.25	1.23	1.20	1.22
5200.0	19.02	18.41	18.89	0.61	18.96	18.39	18.86	17.99	5200.0	1.30	1.27	1.22	1.27
5400.0	18.95	18.34	18.83	0.61	18.92	18.31	18.80	18.70	5400.0	1.38	1.32	1.29	1.35

¹Total Loss = Insertion Loss + 18dB Splitter Loss



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IF/RF MICROWAVE COMPONENTS

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