

3 Way-0° Power Splitter/Combiner ZC3PD-18263-S+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0 dBm @Temperature = +25°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL (dB)	PHASE UNBAL (deg.)	ISOLATION (dB)			VSWR (:1)			
	S-1	S-2	S-3			1-2	1-3	2-3	S	1	2	3
5000	5.24	5.13	5.26	0.14	0.46	17.56	19.71	16.34	1.51	1.06	1.24	1.12
6000	5.14	5.03	5.13	0.11	1.18	23.37	18.85	20.95	1.20	1.24	1.18	1.27
6500	5.14	5.01	5.11	0.13	1.22	28.12	18.90	24.16	1.11	1.27	1.09	1.27
7000	5.15	5.04	5.13	0.11	1.44	35.87	19.17	28.23	1.09	1.19	1.03	1.21
7500	5.15	5.07	5.17	0.09	1.62	43.68	19.67	33.40	1.13	1.11	1.13	1.17
8000	5.18	5.10	5.20	0.10	1.68	36.37	20.44	39.95	1.16	1.21	1.19	1.23
8500	5.19	5.11	5.19	0.09	1.78	33.55	21.38	43.81	1.15	1.30	1.18	1.28
9000	5.20	5.11	5.18	0.09	1.95	32.25	22.37	40.14	1.07	1.26	1.10	1.22
9500	5.19	5.13	5.20	0.07	2.13	31.21	23.43	36.02	1.06	1.13	1.05	1.10
10000	5.21	5.18	5.25	0.08	2.19	30.09	24.72	32.97	1.14	1.12	1.15	1.12
10500	5.22	5.20	5.27	0.06	2.17	28.97	26.21	30.90	1.14	1.23	1.23	1.21
11000	5.22	5.22	5.25	0.03	2.22	28.14	27.85	29.67	1.05	1.26	1.27	1.22
11500	5.26	5.27	5.27	0.02	2.44	27.79	29.76	29.14	1.12	1.21	1.30	1.18
12000	5.28	5.31	5.30	0.03	2.78	27.97	32.19	29.33	1.21	1.14	1.28	1.12
12500	5.28	5.30	5.31	0.03	3.08	28.91	36.19	30.33	1.17	1.04	1.18	1.03
13000	5.28	5.27	5.32	0.06	3.19	30.75	44.98	32.15	1.03	1.09	1.07	1.11
13500	5.33	5.28	5.38	0.10	3.01	33.55	46.65	34.54	1.12	1.23	1.13	1.26
14000	5.36	5.31	5.43	0.11	2.64	37.38	37.00	36.81	1.20	1.31	1.18	1.36
14500	5.36	5.33	5.42	0.08	2.30	39.74	32.65	36.85	1.13	1.28	1.12	1.32
15000	5.34	5.35	5.39	0.05	2.16	38.03	29.89	35.47	1.02	1.16	1.06	1.18
15500	5.36	5.41	5.40	0.05	2.21	36.60	28.21	34.75	1.15	1.06	1.15	1.05
16000	5.37	5.44	5.42	0.07	2.41	36.96	27.35	35.25	1.17	1.11	1.18	1.12
16500	5.36	5.44	5.42	0.08	2.44	38.30	26.81	36.35	1.06	1.13	1.12	1.17
17000	5.39	5.46	5.45	0.07	2.35	40.71	26.73	38.00	1.08	1.11	1.08	1.16
17500	5.42	5.49	5.47	0.07	2.13	39.81	26.88	37.75	1.18	1.09	1.14	1.13
18000	5.44	5.52	5.47	0.08	1.96	36.88	27.47	36.04	1.16	1.06	1.16	1.09
18500	5.42	5.53	5.46	0.11	1.95	34.61	28.39	34.24	1.05	1.05	1.14	1.06
19000	5.44	5.55	5.48	0.11	1.96	33.55	29.88	33.30	1.10	1.05	1.13	1.03
19500	5.47	5.57	5.52	0.10	1.84	33.50	31.98	33.10	1.13	1.09	1.12	1.01
20000	5.50	5.56	5.52	0.06	1.53	34.36	35.18	33.70	1.07	1.17	1.11	1.08
20500	5.52	5.57	5.53	0.05	1.13	36.50	38.94	34.87	1.05	1.26	1.16	1.16
21000	5.53	5.62	5.54	0.09	0.78	39.54	41.21	36.24	1.14	1.28	1.26	1.20
21500	5.52	5.68	5.55	0.16	0.67	41.89	38.62	36.41	1.15	1.21	1.31	1.18
22000	5.50	5.70	5.55	0.20	0.71	38.55	35.81	34.39	1.09	1.07	1.31	1.14
22500	5.54	5.73	5.60	0.19	0.67	34.92	33.28	32.08	1.06	1.09	1.25	1.14
23000	5.55	5.68	5.59	0.12	0.38	33.12	32.66	30.79	1.03	1.22	1.20	1.19
23500	5.61	5.66	5.61	0.05	0.47	32.12	31.87	30.03	1.05	1.30	1.16	1.22
24000	5.65	5.69	5.63	0.06	1.35	31.76	31.34	29.73	1.13	1.33	1.12	1.21
24500	5.70	5.77	5.69	0.08	2.16	32.02	31.08	30.05	1.16	1.29	1.07	1.17
25000	5.62	5.74	5.65	0.12	2.54	35.05	32.21	32.25	1.13	1.18	1.01	1.15
25500	5.60	5.76	5.67	0.16	2.83	39.78	33.56	35.42	1.08	1.08	1.08	1.17
26000	5.61	5.76	5.66	0.15	3.17	44.71	34.58	39.79	1.10	1.11	1.12	1.19
26500	5.65	5.78	5.67	0.13	3.65	45.07	35.53	46.23	1.10	1.17	1.13	1.16
27000	5.68	5.81	5.68	0.14	4.19	40.82	36.07	50.21	1.07	1.17	1.11	1.09
27500	5.69	5.80	5.70	0.12	4.87	40.72	35.86	49.27	1.07	1.16	1.11	1.04
28000	5.69	5.80	5.70	0.11	5.55	40.82	35.83	48.30	1.04	1.15	1.08	1.05
28500	5.71	5.80	5.73	0.09	6.24	41.59	36.15	44.43	1.06	1.16	1.04	1.12
29000	5.75	5.82	5.78	0.07	7.04	38.66	37.34	39.46	1.09	1.17	1.07	1.17
29500	5.81	5.91	5.83	0.10	8.10	35.75	39.58	35.87	1.06	1.18	1.11	1.22
30000	5.75	5.87	5.79	0.12	8.72	33.69	42.28	33.58	1.12	1.16	1.13	1.22

¹Total Loss = Insertion Loss +4.8dB Splitter Loss



3 Way-0° Power Splitter/Combiner ZC3PD-18263-S+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0 dBm @Temperature = -55°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL (dB)	PHASE UNBAL (deg.)	ISOLATION (dB)			VSWR (:1)			
	S-1	S-2	S-3			1-2	1-4	3-4	S	1	2	4
5000	5.27	5.16	5.27	0.12	0.46	17.56	19.80	16.31	1.52	1.06	1.23	1.11
6000	5.18	5.07	5.15	0.12	0.24	23.51	18.86	21.01	1.20	1.24	1.17	1.28
6500	5.20	5.08	5.13	0.13	0.22	28.23	18.92	24.11	1.09	1.27	1.12	1.28
7000	5.20	5.17	5.13	0.07	0.21	35.95	19.17	27.97	1.07	1.20	1.05	1.22
7500	5.19	5.15	5.16	0.04	0.39	43.87	19.65	32.86	1.13	1.11	1.11	1.17
8000	5.21	5.16	5.19	0.05	0.73	37.12	20.43	39.04	1.17	1.22	1.19	1.23
8500	5.23	5.17	5.19	0.06	0.83	34.34	21.35	45.25	1.16	1.31	1.19	1.28
9000	5.22	5.16	5.17	0.06	0.81	33.17	22.26	42.49	1.09	1.27	1.11	1.23
9500	5.22	5.19	5.19	0.03	0.84	32.04	23.29	37.16	1.05	1.13	1.06	1.11
10000	5.24	5.25	5.25	0.01	0.91	30.55	24.49	33.16	1.14	1.12	1.14	1.13
10500	5.25	5.27	5.26	0.02	1.12	29.23	26.08	30.95	1.14	1.23	1.21	1.21
11000	5.26	5.28	5.25	0.03	1.18	28.23	27.74	29.59	1.06	1.26	1.25	1.22
11500	5.30	5.34	5.28	0.06	1.28	27.66	29.32	28.87	1.11	1.21	1.28	1.17
12000	5.31	5.35	5.29	0.06	1.52	27.96	31.89	29.24	1.19	1.12	1.27	1.10
12500	5.32	5.36	5.31	0.05	1.78	28.81	35.54	30.17	1.15	1.04	1.19	1.02
13000	5.32	5.32	5.32	0.00	1.88	30.43	43.56	31.62	1.03	1.09	1.09	1.11
13500	5.38	5.34	5.39	0.05	1.76	32.59	49.29	33.48	1.10	1.21	1.11	1.25
14000	5.42	5.37	5.44	0.07	1.34	36.55	38.35	36.43	1.17	1.30	1.15	1.34
14500	5.42	5.40	5.44	0.04	1.00	40.21	33.26	37.58	1.11	1.27	1.09	1.31
15000	5.38	5.41	5.41	0.02	0.77	39.36	30.29	36.37	1.02	1.16	1.04	1.17
15500	5.38	5.46	5.39	0.07	0.80	37.69	28.43	35.46	1.13	1.07	1.13	1.06
16000	5.39	5.46	5.40	0.08	1.00	37.90	27.47	35.86	1.14	1.12	1.15	1.13
16500	5.38	5.46	5.40	0.09	1.00	38.58	27.01	36.52	1.04	1.14	1.09	1.18
17000	5.40	5.49	5.43	0.09	1.06	40.43	26.91	38.01	1.10	1.11	1.08	1.16
17500	5.46	5.54	5.46	0.09	0.93	40.45	27.14	38.71	1.16	1.09	1.14	1.12
18000	5.48	5.58	5.47	0.11	0.76	37.99	27.97	37.59	1.12	1.06	1.15	1.07
18500	5.48	5.60	5.49	0.12	0.60	35.46	29.17	35.58	1.05	1.06	1.14	1.05
19000	5.50	5.63	5.52	0.13	0.44	34.35	30.72	34.48	1.13	1.06	1.13	1.04
19500	5.54	5.64	5.54	0.10	0.36	34.28	32.66	34.01	1.14	1.10	1.13	1.03
20000	5.58	5.66	5.57	0.09	0.05	35.41	35.67	34.73	1.04	1.20	1.14	1.11
20500	5.59	5.68	5.56	0.12	0.66	37.73	38.95	35.96	1.09	1.29	1.22	1.19
21000	5.59	5.72	5.56	0.15	1.09	42.10	40.69	37.84	1.18	1.30	1.30	1.22
21500	5.57	5.74	5.56	0.18	1.23	43.65	37.51	37.41	1.16	1.21	1.32	1.19
22000	5.55	5.72	5.55	0.18	1.12	38.98	35.07	34.96	1.08	1.06	1.26	1.13
22500	5.59	5.73	5.60	0.14	0.92	34.61	32.56	32.17	1.07	1.10	1.18	1.13
23000	5.61	5.70	5.60	0.11	1.31	32.86	32.15	30.65	1.08	1.23	1.13	1.18
23500	5.65	5.71	5.61	0.10	1.82	31.36	31.18	29.39	1.03	1.32	1.10	1.21
24000	5.70	5.74	5.63	0.11	2.57	30.57	30.28	28.88	1.11	1.35	1.10	1.22
24500	5.79	5.88	5.74	0.14	3.13	30.83	29.96	29.10	1.17	1.32	1.11	1.20
25000	5.73	5.87	5.73	0.14	3.84	33.61	31.06	31.19	1.17	1.21	1.08	1.17
25500	5.65	5.82	5.66	0.18	4.18	37.34	32.42	33.95	1.10	1.07	1.04	1.15
26000	5.65	5.81	5.66	0.16	4.49	42.93	33.43	37.20	1.07	1.09	1.05	1.15
26500	5.70	5.83	5.67	0.16	4.99	53.91	34.90	41.67	1.10	1.17	1.06	1.13
27000	5.71	5.83	5.66	0.17	5.41	47.36	36.46	51.70	1.10	1.19	1.04	1.09
27500	5.75	5.82	5.69	0.13	6.22	42.69	38.09	51.54	1.09	1.19	1.02	1.08
28000	5.73	5.82	5.69	0.13	6.85	39.74	38.45	43.36	1.08	1.18	1.01	1.10
28500	5.75	5.84	5.71	0.13	7.67	37.71	38.98	39.05	1.08	1.19	1.04	1.15
29000	5.78	5.88	5.75	0.13	8.39	35.56	41.08	35.81	1.06	1.18	1.08	1.20
29500	5.81	5.94	5.79	0.15	9.28	34.38	43.78	34.38	1.09	1.19	1.12	1.24
30000	5.80	5.93	5.81	0.13	10.07	32.71	54.45	32.61	1.19	1.17	1.12	1.24

¹Total Loss = Insertion Loss +4.8dB Splitter Loss



3 Way-0° Power Splitter/Combiner ZC3PD-18263-S+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0 dBm @Temperature = +100°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)			AMP. UNBAL (dB)	PHASE UNBAL (deg.)	ISOLATION (dB)			VSWR (:1)			
	S-1	S-2	S-3			1-2	1-4	3-4	S	1	2	4
5000	5.23	5.13	5.24	0.11	0.19	17.05	20.44	15.85	1.51	1.12	1.28	1.13
6000	5.12	5.06	5.10	0.06	0.99	22.36	18.43	20.09	1.21	1.25	1.20	1.29
6500	5.14	5.06	5.07	0.08	1.10	26.92	18.21	23.18	1.12	1.30	1.12	1.31
7000	5.14	5.09	5.08	0.06	1.51	34.57	18.22	27.14	1.09	1.25	1.08	1.25
7500	5.13	5.12	5.12	0.01	1.83	42.81	18.49	32.07	1.13	1.16	1.15	1.21
8000	5.15	5.15	5.15	0.00	2.06	34.25	19.07	36.77	1.15	1.23	1.23	1.27
8500	5.17	5.14	5.14	0.03	2.20	31.11	19.85	37.50	1.13	1.33	1.22	1.31
9000	5.18	5.14	5.13	0.05	2.38	29.83	20.68	36.07	1.05	1.30	1.12	1.24
9500	5.18	5.17	5.16	0.02	2.61	29.35	21.62	34.76	1.07	1.17	1.09	1.13
10000	5.19	5.22	5.22	0.04	2.70	29.13	22.78	33.33	1.14	1.15	1.17	1.16
10500	5.19	5.24	5.22	0.06	2.73	28.85	24.17	31.96	1.12	1.25	1.22	1.24
11000	5.20	5.26	5.21	0.06	2.81	28.62	25.68	30.93	1.03	1.27	1.25	1.23
11500	5.23	5.32	5.23	0.09	3.07	28.62	27.42	30.37	1.14	1.20	1.29	1.16
12000	5.26	5.36	5.26	0.10	3.47	29.00	29.55	30.41	1.21	1.10	1.29	1.09
12500	5.25	5.35	5.27	0.10	3.82	30.04	32.45	31.16	1.15	1.02	1.20	1.03
13000	5.25	5.31	5.28	0.06	3.99	31.92	36.00	32.41	1.01	1.09	1.10	1.11
13500	5.31	5.33	5.34	0.04	3.86	34.49	35.53	33.80	1.15	1.22	1.17	1.25
14000	5.34	5.36	5.39	0.05	3.56	36.66	32.36	34.61	1.21	1.31	1.22	1.35
14500	5.32	5.37	5.37	0.05	3.19	36.59	29.49	34.18	1.12	1.28	1.14	1.33
15000	5.31	5.41	5.35	0.10	3.05	35.45	27.48	33.55	1.04	1.16	1.07	1.18
15500	5.33	5.47	5.36	0.13	3.17	34.82	26.11	33.29	1.17	1.06	1.16	1.04
16000	5.36	5.52	5.39	0.16	3.43	35.79	25.45	34.14	1.18	1.12	1.19	1.13
16500	5.33	5.50	5.38	0.17	3.49	37.13	25.03	35.00	1.07	1.16	1.13	1.20
17000	5.36	5.53	5.41	0.17	3.41	39.20	25.01	36.32	1.10	1.13	1.10	1.18
17500	5.40	5.57	5.44	0.17	3.26	38.47	25.24	36.37	1.21	1.09	1.17	1.13
18000	5.41	5.60	5.44	0.19	3.16	36.03	25.86	35.36	1.18	1.07	1.20	1.09
18500	5.39	5.60	5.41	0.21	3.20	33.93	26.78	34.01	1.06	1.06	1.16	1.06
19000	5.40	5.62	5.44	0.22	3.24	32.92	28.19	33.31	1.10	1.06	1.13	1.05
19500	5.45	5.66	5.48	0.21	3.11	32.88	30.10	33.23	1.15	1.08	1.14	1.01
20000	5.46	5.65	5.48	0.19	2.87	33.70	32.98	33.88	1.09	1.16	1.13	1.07
20500	5.48	5.67	5.48	0.19	2.55	35.88	37.38	35.30	1.04	1.26	1.18	1.15
21000	5.50	5.72	5.50	0.22	2.29	39.00	44.53	36.85	1.14	1.29	1.27	1.20
21500	5.49	5.77	5.50	0.29	2.15	41.60	44.70	36.90	1.15	1.21	1.33	1.18
22000	5.47	5.80	5.51	0.33	2.24	38.52	39.03	34.61	1.10	1.08	1.33	1.14
22500	5.48	5.81	5.53	0.33	2.27	35.15	35.62	32.41	1.06	1.07	1.27	1.14
23000	5.51	5.79	5.55	0.28	2.00	32.96	34.25	30.87	1.04	1.19	1.22	1.18
23500	5.56	5.78	5.56	0.22	1.57	31.90	33.17	30.03	1.07	1.28	1.16	1.20
24000	5.61	5.81	5.58	0.22	1.33	31.52	32.23	29.73	1.14	1.32	1.11	1.19
24500	5.65	5.87	5.63	0.25	1.57	32.13	31.96	30.35	1.15	1.28	1.05	1.16
25000	5.58	5.87	5.60	0.29	1.80	35.18	33.00	32.55	1.11	1.19	1.02	1.16
25500	5.59	5.92	5.65	0.33	1.87	39.99	34.10	35.89	1.07	1.10	1.09	1.20
26000	5.57	5.89	5.62	0.32	2.09	44.10	35.07	42.79	1.10	1.13	1.13	1.21
26500	5.61	5.92	5.63	0.31	2.53	40.92	35.18	53.63	1.09	1.16	1.14	1.17
27000	5.66	5.98	5.65	0.33	3.09	38.46	35.15	49.86	1.08	1.15	1.13	1.09
27500	5.65	5.95	5.64	0.31	3.58	37.83	34.42	46.97	1.09	1.13	1.13	1.02
28000	5.66	5.97	5.66	0.31	4.20	39.32	34.27	49.95	1.07	1.12	1.09	1.03
28500	5.67	5.97	5.68	0.30	4.80	45.07	34.12	49.20	1.08	1.15	1.07	1.11
29000	5.73	6.01	5.75	0.28	5.54	45.33	35.08	40.59	1.13	1.17	1.11	1.19
29500	5.76	6.05	5.78	0.28	6.53	38.31	37.02	35.86	1.11	1.19	1.14	1.24
30000	5.72	6.03	5.75	0.32	7.09	35.35	38.93	33.42	1.08	1.17	1.17	1.25

¹Total Loss = Insertion Loss +4.8dB Splitter Loss

