

2 Way-0° Power Splitter/Combiner

EP2RKU+

Typical Performance Data

TEST CONDITIONS: Input Power = -10dBm @Temperature = +25°C

FREQ. (MHz)	TOTAL LOSS ⁽¹⁾		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR		
	(dB)	(dB)				(:1)		
	S-1	S-2				S	1	2
100	5.97	5.98	0.00	0.01	9.78	1.51	1.03	1.03
200	5.99	5.99	0.00	0.01	9.82	1.50	1.05	1.05
300	6.00	6.00	0.00	0.00	9.88	1.49	1.07	1.07
400	6.01	6.01	0.00	0.01	9.94	1.49	1.09	1.09
500	6.02	6.01	0.00	0.00	10.03	1.49	1.11	1.11
600	6.02	6.02	0.00	0.00	10.12	1.49	1.13	1.13
700	6.03	6.03	0.00	0.00	10.24	1.49	1.15	1.15
800	6.03	6.03	0.00	0.00	10.37	1.49	1.17	1.16
900	6.04	6.04	0.01	0.00	10.50	1.49	1.19	1.18
1000	6.05	6.03	0.01	0.01	10.66	1.49	1.20	1.20
1500	6.08	6.06	0.01	0.08	11.60	1.50	1.29	1.29
2000	6.13	6.11	0.02	0.16	12.73	1.51	1.38	1.38
2500	6.20	6.18	0.02	0.28	13.84	1.52	1.47	1.48
3000	6.29	6.28	0.01	0.38	14.85	1.55	1.55	1.59
3500	6.33	6.34	0.01	0.41	15.86	1.56	1.59	1.64
4000	6.32	6.35	0.03	0.39	17.08	1.52	1.58	1.64
4500	6.27	6.31	0.04	0.33	18.72	1.43	1.55	1.61
5000	6.22	6.26	0.04	0.24	20.66	1.36	1.51	1.57
5500	6.21	6.24	0.03	0.17	22.51	1.34	1.49	1.52
6000	6.25	6.25	0.00	0.14	24.17	1.37	1.48	1.47
6500	6.29	6.27	0.02	0.18	26.28	1.39	1.47	1.43
7000	6.31	6.26	0.04	0.30	30.10	1.36	1.47	1.39
7500	6.30	6.25	0.05	0.48	37.67	1.28	1.47	1.39
8000	6.30	6.25	0.05	0.68	36.34	1.26	1.48	1.40
8500	6.31	6.28	0.03	0.86	31.58	1.34	1.45	1.39
9000	6.31	6.30	0.01	0.97	29.97	1.40	1.38	1.35
9500	6.28	6.29	0.01	1.01	28.52	1.38	1.30	1.31
10000	6.24	6.25	0.02	0.98	25.61	1.29	1.24	1.28
10500	6.22	6.24	0.02	0.92	22.83	1.23	1.24	1.29
11000	6.27	6.28	0.01	0.90	21.06	1.32	1.28	1.32
11500	6.34	6.34	0.00	0.94	20.25	1.48	1.31	1.33
12000	6.38	6.37	0.01	1.03	20.12	1.54	1.30	1.29
12500	6.33	6.33	0.00	1.21	20.11	1.46	1.23	1.20
13000	6.24	6.25	0.01	1.33	19.62	1.29	1.15	1.09
13500	6.16	6.19	0.03	1.36	18.73	1.12	1.06	1.03
14000	6.11	6.16	0.05	1.31	17.86	1.07	1.02	1.06
14500	6.09	6.15	0.05	1.18	17.50	1.15	1.05	1.09
15000	6.08	6.12	0.04	1.08	18.05	1.20	1.11	1.15
15500	6.09	6.10	0.01	1.09	19.73	1.26	1.22	1.23
16000	6.12	6.11	0.01	1.19	22.56	1.38	1.35	1.33
16500	6.15	6.14	0.01	1.36	24.46	1.47	1.43	1.38
17000	6.14	6.13	0.01	1.56	23.66	1.40	1.39	1.33
17500	6.12	6.12	0.00	1.71	23.67	1.20	1.31	1.27
18000	6.15	6.16	0.02	1.83	27.47	1.05	1.30	1.27

⁽¹⁾ Total Loss = Insertion Loss + 3dB Splitter Loss



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2 Way-0° Power Splitter/Combiner

EP2RKU+

Typical Performance Data

TEST CONDITIONS: Input Power = -10dBm @Temperature = -55°C

FREQ. (MHz)	TOTAL LOSS ⁽¹⁾		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR		
	(dB)	(dB)				(:1)		
	S-1	S-2				S	1	2
100	5.94	5.95	0.00	0.00	9.73	1.52	1.03	1.03
200	5.96	5.96	0.00	0.00	9.77	1.51	1.05	1.05
300	5.96	5.96	0.00	0.01	9.82	1.50	1.08	1.07
400	5.96	5.96	0.00	0.02	9.88	1.50	1.10	1.09
500	5.96	5.96	0.00	0.00	9.95	1.50	1.12	1.11
600	5.96	5.97	0.00	0.00	10.04	1.49	1.14	1.13
700	5.97	5.97	0.00	0.00	10.15	1.49	1.16	1.15
800	5.97	5.97	0.00	0.01	10.27	1.49	1.18	1.17
900	5.97	5.97	0.00	0.00	10.41	1.50	1.19	1.19
1000	5.97	5.97	0.01	0.00	10.56	1.50	1.21	1.20
1500	5.99	5.98	0.01	0.04	11.48	1.51	1.30	1.29
2000	6.03	6.02	0.01	0.14	12.60	1.52	1.39	1.39
2500	6.10	6.09	0.02	0.23	13.71	1.54	1.49	1.49
3000	6.19	6.18	0.00	0.33	14.70	1.57	1.57	1.61
3500	6.22	6.24	0.02	0.34	15.68	1.58	1.61	1.66
4000	6.19	6.22	0.03	0.30	16.89	1.52	1.59	1.65
4500	6.12	6.17	0.05	0.24	18.51	1.44	1.55	1.62
5000	6.06	6.11	0.05	0.16	20.42	1.37	1.51	1.58
5500	6.05	6.09	0.04	0.05	22.17	1.36	1.49	1.53
6000	6.08	6.09	0.01	0.02	23.75	1.40	1.49	1.49
6500	6.11	6.10	0.01	0.00	25.77	1.42	1.49	1.44
7000	6.12	6.08	0.04	0.12	29.49	1.37	1.48	1.40
7500	6.10	6.05	0.05	0.29	37.07	1.29	1.49	1.40
8000	6.09	6.05	0.04	0.48	37.14	1.27	1.49	1.41
8500	6.09	6.06	0.03	0.65	31.90	1.35	1.47	1.40
9000	6.08	6.08	0.01	0.75	30.16	1.41	1.40	1.36
9500	6.05	6.06	0.01	0.80	28.92	1.41	1.31	1.31
10000	5.99	6.01	0.03	0.76	25.96	1.32	1.24	1.27
10500	5.95	5.98	0.03	0.69	22.88	1.22	1.22	1.27
11000	5.98	6.00	0.02	0.64	20.88	1.30	1.27	1.31
11500	6.06	6.07	0.01	0.65	19.98	1.48	1.32	1.34
12000	6.10	6.10	0.00	0.72	19.90	1.59	1.33	1.32
12500	6.05	6.05	0.00	0.88	19.96	1.52	1.28	1.24
13000	5.94	5.96	0.02	1.01	19.48	1.33	1.19	1.13
13500	5.84	5.88	0.04	1.05	18.49	1.13	1.09	1.04
14000	5.79	5.84	0.06	1.01	17.49	1.07	1.03	1.04
14500	5.76	5.82	0.07	0.87	17.00	1.17	1.05	1.08
15000	5.73	5.78	0.05	0.74	17.43	1.22	1.11	1.15
15500	5.71	5.75	0.03	0.72	18.99	1.27	1.22	1.25
16000	5.74	5.75	0.01	0.78	21.80	1.40	1.37	1.37
16500	5.76	5.76	0.00	0.92	24.01	1.49	1.46	1.43
17000	5.73	5.73	0.00	1.09	23.28	1.42	1.43	1.38
17500	5.69	5.70	0.01	1.25	23.01	1.21	1.34	1.30
18000	5.70	5.73	0.03	1.35	26.25	1.07	1.33	1.30

⁽¹⁾ Total Loss = Insertion Loss + 3dB Splitter Loss



2 Way-0° Power Splitter/Combiner

EP2RKU+

Typical Performance Data

TEST CONDITIONS: Input Power = -10dBm @Temperature = +105°C

FREQ. (MHz)	TOTAL LOSS ⁽¹⁾		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR		
	(dB)	(dB)				(:1)		
	S-1	S-2				S	1	2
100	6.00	6.00	0.00	0.01	9.84	1.50	1.03	1.03
200	6.02	6.02	0.00	0.00	9.87	1.49	1.05	1.05
300	6.03	6.04	0.00	0.00	9.93	1.49	1.07	1.07
400	6.05	6.05	0.00	0.01	10.00	1.48	1.09	1.09
500	6.06	6.06	0.00	0.01	10.09	1.48	1.11	1.11
600	6.07	6.07	0.00	0.01	10.19	1.48	1.13	1.13
700	6.08	6.07	0.00	0.01	10.31	1.48	1.15	1.14
800	6.08	6.08	0.01	0.00	10.44	1.48	1.17	1.16
900	6.09	6.09	0.01	0.00	10.58	1.48	1.18	1.18
1000	6.10	6.09	0.01	0.01	10.74	1.49	1.20	1.19
1500	6.14	6.12	0.02	0.09	11.69	1.50	1.29	1.28
2000	6.19	6.17	0.02	0.17	12.82	1.51	1.37	1.37
2500	6.27	6.25	0.02	0.28	13.93	1.52	1.46	1.47
3000	6.36	6.35	0.01	0.38	14.96	1.54	1.53	1.56
3500	6.41	6.42	0.01	0.42	16.01	1.54	1.57	1.62
4000	6.42	6.44	0.02	0.42	17.25	1.51	1.57	1.63
4500	6.38	6.41	0.04	0.37	18.89	1.43	1.54	1.61
5000	6.34	6.37	0.03	0.29	20.88	1.35	1.51	1.57
5500	6.33	6.35	0.02	0.22	22.83	1.32	1.48	1.52
6000	6.37	6.37	0.00	0.21	24.60	1.35	1.47	1.47
6500	6.42	6.39	0.03	0.26	26.85	1.36	1.47	1.43
7000	6.44	6.40	0.05	0.37	30.91	1.33	1.47	1.40
7500	6.45	6.39	0.06	0.54	38.22	1.26	1.47	1.39
8000	6.46	6.40	0.06	0.75	35.48	1.25	1.47	1.39
8500	6.47	6.43	0.05	0.96	31.29	1.33	1.44	1.37
9000	6.48	6.45	0.02	1.09	29.68	1.38	1.36	1.34
9500	6.45	6.45	0.00	1.13	27.97	1.36	1.29	1.30
10000	6.43	6.44	0.01	1.10	25.18	1.27	1.26	1.30
10500	6.43	6.44	0.01	1.06	22.70	1.25	1.27	1.31
11000	6.49	6.50	0.00	1.04	21.14	1.36	1.29	1.34
11500	6.56	6.56	0.01	1.05	20.43	1.48	1.30	1.34
12000	6.59	6.57	0.02	1.14	20.30	1.51	1.27	1.28
12500	6.55	6.53	0.02	1.32	20.23	1.42	1.20	1.17
13000	6.47	6.47	0.00	1.47	19.71	1.26	1.12	1.07
13500	6.40	6.42	0.02	1.52	18.87	1.11	1.04	1.02
14000	6.37	6.40	0.03	1.50	18.14	1.07	1.03	1.07
14500	6.35	6.40	0.04	1.37	17.95	1.14	1.07	1.11
15000	6.35	6.38	0.02	1.27	18.70	1.19	1.12	1.17
15500	6.37	6.38	0.00	1.29	20.54	1.26	1.22	1.24
16000	6.42	6.41	0.02	1.37	23.27	1.37	1.33	1.32
16500	6.47	6.44	0.03	1.54	24.68	1.44	1.38	1.34
17000	6.47	6.44	0.03	1.75	23.95	1.37	1.35	1.29
17500	6.46	6.45	0.01	1.92	24.40	1.18	1.28	1.23
18000	6.52	6.52	0.00	2.05	28.60	1.03	1.27	1.23

⁽¹⁾ Total Loss = Insertion Loss + 3dB Splitter Loss

