

2 Way-90° Power Splitter

EPQ-113+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10 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	1	2
5000	3.10	3.85	0.75	88.72	19.87	1.22	1.11	1.27
5200	3.20	3.73	0.54	88.64	19.71	1.22	1.13	1.26
5400	3.30	3.66	0.36	88.69	19.64	1.23	1.13	1.26
5600	3.40	3.58	0.18	88.57	19.23	1.26	1.15	1.29
5800	3.47	3.51	0.04	88.69	19.30	1.24	1.15	1.26
6000	3.56	3.47	0.10	88.72	19.10	1.25	1.17	1.23
6200	3.66	3.42	0.24	88.78	19.11	1.25	1.16	1.22
6400	3.74	3.39	0.35	88.91	19.22	1.24	1.15	1.18
6600	3.78	3.34	0.45	88.81	19.31	1.23	1.16	1.21
6800	3.81	3.28	0.53	89.15	19.38	1.20	1.13	1.16
7000	3.86	3.25	0.62	89.13	19.23	1.22	1.15	1.15
7200	3.89	3.21	0.69	89.29	19.23	1.19	1.12	1.13
7400	3.93	3.19	0.74	89.35	19.33	1.18	1.11	1.11
7600	3.97	3.17	0.80	89.44	19.15	1.19	1.11	1.08
7800	3.99	3.15	0.84	89.50	19.24	1.16	1.06	1.09
8000	4.02	3.16	0.86	89.64	19.08	1.19	1.11	1.02
8200	4.07	3.17	0.90	89.60	19.01	1.20	1.06	1.11
8400	4.05	3.18	0.87	89.63	18.84	1.18	1.07	1.07
8600	4.06	3.19	0.87	89.69	18.74	1.18	1.06	1.07
8800	4.04	3.19	0.85	89.74	18.96	1.13	1.02	1.03
9000	4.06	3.24	0.82	89.80	18.52	1.20	1.06	1.07
9200	4.03	3.25	0.78	89.78	18.65	1.15	1.01	1.05
9400	4.03	3.29	0.74	89.90	18.49	1.18	1.01	1.09
9600	3.99	3.34	0.66	89.76	18.39	1.18	1.04	1.09
9800	3.96	3.39	0.57	89.66	18.31	1.17	1.03	1.13
10000	3.90	3.44	0.46	89.89	18.19	1.18	1.05	1.05
10200	3.88	3.50	0.38	89.80	18.23	1.19	1.06	1.13
10400	3.83	3.59	0.23	89.55	18.03	1.21	1.06	1.15
10600	3.75	3.70	0.04	89.63	17.86	1.21	1.10	1.13
10800	3.70	3.78	0.07	89.86	17.80	1.22	1.10	1.11
11000	3.65	3.92	0.27	89.55	17.71	1.23	1.14	1.15

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



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2 Way-90° Power Splitter

EPQ-113+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10 dBm @Temperature = -45 °C

FREQ. (MHz)	TOTAL LOSS ⁽¹⁾ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
5000	2.74	3.53	0.79	91.68	19.03	1.25	1.19	1.29
5200	2.82	3.38	0.56	91.75	19.57	1.20	1.18	1.23
5400	2.92	3.33	0.41	91.91	19.16	1.29	1.23	1.23
5600	3.00	3.23	0.23	91.88	18.88	1.31	1.22	1.27
5800	3.03	3.13	0.09	92.28	19.75	1.22	1.20	1.21
6000	3.12	3.06	0.06	92.46	19.57	1.27	1.17	1.20
6200	3.17	2.97	0.19	92.69	19.96	1.22	1.09	1.23
6400	3.24	2.92	0.32	92.83	20.06	1.21	1.11	1.21
6600	3.31	2.89	0.42	93.21	19.98	1.28	1.05	1.25
6800	3.36	2.82	0.54	93.41	20.15	1.19	1.05	1.23
7000	3.43	2.80	0.63	93.48	19.31	1.28	1.02	1.26
7200	3.45	2.74	0.71	93.75	19.34	1.24	1.06	1.25
7400	3.49	2.71	0.77	93.74	18.40	1.24	1.11	1.24
7600	3.54	2.72	0.81	93.79	17.73	1.33	1.10	1.22
7800	3.53	2.69	0.84	94.06	18.24	1.21	1.23	1.22
8000	3.59	2.73	0.86	94.27	16.96	1.37	1.22	1.12
8200	3.61	2.75	0.86	94.65	17.02	1.38	1.30	1.10
8400	3.61	2.76	0.84	94.90	16.96	1.38	1.29	1.05
8600	3.58	2.73	0.85	95.15	17.48	1.31	1.23	1.02
8800	3.59	2.73	0.85	95.75	17.94	1.28	1.26	1.09
9000	3.63	2.78	0.85	95.61	17.15	1.42	1.22	1.10
9200	3.55	2.67	0.88	96.26	18.74	1.15	1.20	1.09
9400	3.49	2.66	0.83	95.73	19.22	1.13	1.09	1.08
9600	3.47	2.72	0.75	95.72	18.33	1.23	1.05	1.10
9800	3.39	2.69	0.70	95.91	20.65	1.05	1.18	1.03
10000	3.35	2.72	0.63	95.83	20.60	1.01	1.18	1.11
10200	3.31	2.78	0.53	95.69	19.25	1.20	1.16	1.21
10400	3.22	2.85	0.37	95.56	19.04	1.12	1.18	1.23
10600	3.20	2.96	0.24	95.37	18.89	1.14	1.20	1.27
10800	3.14	3.08	0.06	95.62	17.45	1.31	1.14	1.21
11000	3.10	3.29	0.19	95.09	16.84	1.33	1.30	1.49

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



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2 Way-90° Power Splitter

EPQ-113+

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0 dBm @Temperature = +85 °C

FREQ. (MHz)	TOTAL LOSS ⁽¹⁾ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. (deg.)	ISOLATION (dB)	VSWR (:1)		
	S-1	S-2				S	1	2
5000	3.37	4.08	0.71	84.71	20.13	1.23	1.09	1.24
5200	3.48	3.98	0.50	84.50	19.96	1.22	1.11	1.27
5400	3.58	3.89	0.31	84.36	19.90	1.22	1.07	1.26
5600	3.69	3.82	0.13	84.17	19.60	1.25	1.13	1.27
5800	3.78	3.76	0.02	84.01	19.57	1.22	1.13	1.28
6000	3.88	3.71	0.17	83.90	19.09	1.24	1.14	1.24
6200	3.98	3.68	0.29	83.78	19.18	1.24	1.21	1.21
6400	4.03	3.64	0.39	83.75	19.07	1.22	1.15	1.19
6600	4.12	3.61	0.51	83.56	18.95	1.23	1.19	1.18
6800	4.16	3.60	0.56	83.54	19.25	1.20	1.24	1.13
7000	4.23	3.57	0.66	83.58	19.18	1.20	1.18	1.10
7200	4.28	3.55	0.73	83.57	19.31	1.19	1.20	1.07
7400	4.33	3.56	0.77	83.43	19.81	1.16	1.19	1.06
7600	4.37	3.51	0.86	83.48	19.78	1.14	1.09	1.02
7800	4.42	3.52	0.90	83.22	20.31	1.11	1.16	1.01
8000	4.45	3.52	0.93	83.36	20.22	1.12	1.07	1.06
8200	4.50	3.50	1.00	82.86	20.38	1.13	1.13	1.13
8400	4.49	3.55	0.94	82.73	20.70	1.13	1.13	1.09
8600	4.51	3.54	0.97	82.47	19.61	1.14	1.09	1.11
8800	4.50	3.57	0.93	82.18	19.88	1.17	1.18	1.14
9000	4.49	3.62	0.87	82.21	19.70	1.14	1.03	1.14
9200	4.49	3.64	0.86	81.25	18.88	1.16	1.20	1.14
9400	4.46	3.74	0.72	82.00	18.41	1.23	1.05	1.14
9600	4.44	3.78	0.65	81.45	18.59	1.17	1.15	1.14
9800	4.40	3.87	0.53	81.28	17.67	1.26	1.05	1.13
10000	4.36	3.98	0.39	81.57	17.30	1.29	1.20	1.12
10200	4.37	4.05	0.32	81.21	17.41	1.32	1.20	1.12
10400	4.33	4.16	0.17	81.40	17.10	1.36	1.15	1.06
10600	4.26	4.30	0.04	80.97	17.08	1.35	1.28	1.10
10800	4.24	4.38	0.14	81.47	17.21	1.36	1.11	1.14
11000	4.25	4.57	0.33	81.41	16.83	1.49	1.24	1.12

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



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