

2 Way-90° Power Splitter/Combiner

HPQ-05

Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
200	0.97	7.70	6.73	0.36	35.51	1.05	1.05	1.06
250	1.39	6.20	4.81	0.28	33.31	1.06	1.06	1.07
300	1.86	5.09	3.23	0.17	31.76	1.07	1.07	1.09
350	2.34	4.26	1.92	0.09	30.29	1.08	1.08	1.10
360	2.45	4.11	1.66	0.05	29.99	1.08	1.08	1.10
370	2.55	3.98	1.43	0.04	29.68	1.08	1.08	1.10
380	2.64	3.85	1.21	0.01	29.42	1.09	1.09	1.11
390	2.74	3.73	0.99	0.02	29.16	1.09	1.09	1.11
400	2.84	3.61	0.77	0.02	28.94	1.09	1.09	1.11
410	2.94	3.50	0.56	0.04	28.70	1.09	1.09	1.11
420	3.04	3.40	0.35	0.07	28.46	1.09	1.09	1.11
430	3.14	3.30	0.16	0.10	28.22	1.09	1.10	1.11
440	3.25	3.20	0.05	0.14	27.91	1.10	1.10	1.12
445	3.29	3.15	0.14	0.11	27.81	1.10	1.10	1.12
450	3.34	3.11	0.24	0.16	27.68	1.10	1.10	1.12
455	3.39	3.06	0.33	0.14	27.57	1.10	1.10	1.12
460	3.44	3.02	0.43	0.15	27.41	1.10	1.10	1.12
465	3.50	2.98	0.52	0.17	27.30	1.10	1.10	1.12
470	3.54	2.94	0.61	0.17	27.19	1.10	1.10	1.12
475	3.59	2.90	0.70	0.20	27.07	1.10	1.11	1.13
500	3.84	2.71	1.13	0.26	26.48	1.11	1.11	1.13
525	4.09	2.53	1.55	0.31	25.95	1.11	1.11	1.14
550	4.32	2.39	1.93	0.39	25.39	1.11	1.12	1.14
575	4.56	2.25	2.31	0.48	24.85	1.12	1.12	1.14
600	4.80	2.13	2.67	0.55	24.33	1.12	1.13	1.15
650	5.26	1.92	3.34	0.72	23.38	1.13	1.14	1.16
700	5.71	1.75	3.96	0.90	22.49	1.14	1.15	1.17
750	6.13	1.61	4.52	1.15	21.69	1.15	1.16	1.18
800	6.53	1.50	5.03	1.32	20.92	1.15	1.17	1.18
850	6.93	1.40	5.53	1.66	20.22	1.16	1.18	1.19
900	7.31	1.33	5.98	1.95	19.56	1.17	1.19	1.20
950	7.66	1.27	6.39	2.33	18.94	1.18	1.20	1.21
1000	8.00	1.22	6.78	2.76	18.37	1.19	1.22	1.22

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-90° Power Splitter/Combiner

HPQ-05

Typical Performance Data

TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = -40°C

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
200	0.97	7.70	6.73	0.36	35.51	1.05	1.05	1.06
250	1.39	6.20	4.81	0.28	33.31	1.06	1.06	1.07
300	1.86	5.09	3.23	0.17	31.76	1.07	1.07	1.09
350	2.34	4.26	1.92	0.09	30.29	1.08	1.08	1.10
360	2.45	4.11	1.66	0.05	29.99	1.08	1.08	1.10
370	2.55	3.98	1.43	0.04	29.68	1.08	1.08	1.10
380	2.64	3.85	1.21	0.01	29.42	1.09	1.09	1.11
390	2.74	3.73	0.99	0.02	29.16	1.09	1.09	1.11
400	2.84	3.61	0.77	0.02	28.94	1.09	1.09	1.11
410	2.94	3.50	0.56	0.04	28.70	1.09	1.09	1.11
420	3.04	3.40	0.35	0.07	28.46	1.09	1.09	1.11
430	3.14	3.30	0.16	0.10	28.22	1.09	1.10	1.11
440	3.25	3.20	0.05	0.14	27.91	1.10	1.10	1.12
445	3.29	3.15	0.14	0.11	27.81	1.10	1.10	1.12
450	3.34	3.11	0.24	0.16	27.68	1.10	1.10	1.12
455	3.39	3.06	0.33	0.14	27.57	1.10	1.10	1.12
460	3.44	3.02	0.43	0.15	27.41	1.10	1.10	1.12
465	3.50	2.98	0.52	0.17	27.30	1.10	1.10	1.12
470	3.54	2.94	0.61	0.17	27.19	1.10	1.10	1.12
475	3.59	2.90	0.70	0.20	27.07	1.10	1.11	1.13
500	3.84	2.71	1.13	0.26	26.48	1.11	1.11	1.13
525	4.09	2.53	1.55	0.31	25.95	1.11	1.11	1.14
550	4.32	2.39	1.93	0.39	25.39	1.11	1.12	1.14
575	4.56	2.25	2.31	0.48	24.85	1.12	1.12	1.14
600	4.80	2.13	2.67	0.55	24.33	1.12	1.13	1.15
650	5.26	1.92	3.34	0.72	23.38	1.13	1.14	1.16
700	5.71	1.75	3.96	0.90	22.49	1.14	1.15	1.17
750	6.13	1.61	4.52	1.15	21.69	1.15	1.16	1.18
800	6.53	1.50	5.03	1.32	20.92	1.15	1.17	1.18
850	6.93	1.40	5.53	1.66	20.22	1.16	1.18	1.19
900	7.31	1.33	5.98	1.95	19.56	1.17	1.19	1.20
950	7.66	1.27	6.39	2.33	18.94	1.18	1.20	1.21
1000	8.00	1.22	6.78	2.76	18.37	1.19	1.22	1.22

¹Total Loss = Insertion Loss + 3dB Splitter Loss

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2 Way-90° Power Splitter/Combiner

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Typical Performance Data

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

FREQ. (MHz)	TOTAL LOSS ¹ (dB)		AMP. UNBAL. (dB)	PHASE UNBAL. From 90° (deg.)	ISOLATION (dB) 1-2	VSWR (:1)		
	S-1	S-2				S	1	2
200	0.97	7.70	6.73	0.36	35.51	1.05	1.05	1.06
250	1.39	6.20	4.81	0.28	33.31	1.06	1.06	1.07
300	1.86	5.09	3.23	0.17	31.76	1.07	1.07	1.09
350	2.34	4.26	1.92	0.09	30.29	1.08	1.08	1.10
360	2.45	4.11	1.66	0.05	29.99	1.08	1.08	1.10
370	2.55	3.98	1.43	0.04	29.68	1.08	1.08	1.10
380	2.64	3.85	1.21	0.01	29.42	1.09	1.09	1.11
390	2.74	3.73	0.99	0.02	29.16	1.09	1.09	1.11
400	2.84	3.61	0.77	0.02	28.94	1.09	1.09	1.11
410	2.94	3.50	0.56	0.04	28.70	1.09	1.09	1.11
420	3.04	3.40	0.35	0.07	28.46	1.09	1.09	1.11
430	3.14	3.30	0.16	0.10	28.22	1.09	1.10	1.11
440	3.25	3.20	0.05	0.14	27.91	1.10	1.10	1.12
445	3.29	3.15	0.14	0.11	27.81	1.10	1.10	1.12
450	3.34	3.11	0.24	0.16	27.68	1.10	1.10	1.12
455	3.39	3.06	0.33	0.14	27.57	1.10	1.10	1.12
460	3.44	3.02	0.43	0.15	27.41	1.10	1.10	1.12
465	3.50	2.98	0.52	0.17	27.30	1.10	1.10	1.12
470	3.54	2.94	0.61	0.17	27.19	1.10	1.10	1.12
475	3.59	2.90	0.70	0.20	27.07	1.10	1.11	1.13
500	3.84	2.71	1.13	0.26	26.48	1.11	1.11	1.13
525	4.09	2.53	1.55	0.31	25.95	1.11	1.11	1.14
550	4.32	2.39	1.93	0.39	25.39	1.11	1.12	1.14
575	4.56	2.25	2.31	0.48	24.85	1.12	1.12	1.14
600	4.80	2.13	2.67	0.55	24.33	1.12	1.13	1.15
650	5.26	1.92	3.34	0.72	23.38	1.13	1.14	1.16
700	5.71	1.75	3.96	0.90	22.49	1.14	1.15	1.17
750	6.13	1.61	4.52	1.15	21.69	1.15	1.16	1.18
800	6.53	1.50	5.03	1.32	20.92	1.15	1.17	1.18
850	6.93	1.40	5.53	1.66	20.22	1.16	1.18	1.19
900	7.31	1.33	5.98	1.95	19.56	1.17	1.19	1.20
950	7.66	1.27	6.39	2.33	18.94	1.18	1.20	1.21
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