

# 2 Way-0° Power Splitter/Combiner

**BP2G+**

## Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10dBm @ Temperature = +25°C

FREQUENCY (MHz)	Total Loss <sup>1</sup> (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (Deg)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
1420.0	3.30	3.23	0.07	18.76	0.46	1420.0	1.09	1.18	1.17
1425.0	3.30	3.24	0.06	18.97	0.48	1425.0	1.08	1.17	1.17
1430.0	3.30	3.24	0.06	19.21	0.47	1430.0	1.08	1.17	1.17
1435.0	3.30	3.24	0.06	19.44	0.47	1435.0	1.08	1.17	1.17
1440.0	3.30	3.23	0.07	19.68	0.47	1440.0	1.08	1.17	1.16
1445.0	3.30	3.24	0.07	19.93	0.48	1445.0	1.08	1.16	1.16
1450.0	3.31	3.24	0.07	20.19	0.49	1450.0	1.08	1.16	1.16
1455.0	3.30	3.23	0.07	20.46	0.49	1455.0	1.08	1.16	1.16
1460.0	3.30	3.24	0.06	20.71	0.51	1460.0	1.08	1.16	1.15
1465.0	3.31	3.24	0.07	20.97	0.49	1465.0	1.08	1.16	1.15
1470.0	3.31	3.24	0.07	21.28	0.52	1470.0	1.08	1.16	1.15
1475.0	3.31	3.24	0.07	21.59	0.52	1475.0	1.08	1.16	1.15
1480.0	3.31	3.24	0.07	21.88	0.52	1480.0	1.08	1.16	1.15
1485.0	3.31	3.24	0.07	22.20	0.52	1485.0	1.08	1.16	1.14
1490.0	3.31	3.24	0.07	22.53	0.53	1490.0	1.09	1.16	1.14
1495.0	3.31	3.24	0.07	22.88	0.54	1495.0	1.09	1.16	1.14
1500.0	3.32	3.24	0.08	23.24	0.54	1500.0	1.09	1.16	1.14
1505.0	3.32	3.24	0.08	23.58	0.54	1505.0	1.10	1.16	1.14
1510.0	3.32	3.25	0.07	23.97	0.56	1510.0	1.10	1.16	1.14
1515.0	3.32	3.24	0.08	24.35	0.55	1515.0	1.10	1.16	1.14
1520.0	3.32	3.25	0.07	24.76	0.55	1520.0	1.11	1.16	1.14
1525.0	3.32	3.25	0.08	25.20	0.57	1525.0	1.11	1.16	1.14
1530.0	3.32	3.25	0.07	25.67	0.57	1530.0	1.12	1.16	1.14
1535.0	3.33	3.25	0.08	26.11	0.58	1535.0	1.12	1.16	1.14
1540.0	3.33	3.25	0.08	26.62	0.59	1540.0	1.13	1.16	1.14
1545.0	3.33	3.25	0.08	27.14	0.59	1545.0	1.13	1.17	1.14
1550.0	3.33	3.26	0.08	27.70	0.60	1550.0	1.14	1.17	1.15
1555.0	3.33	3.26	0.08	28.29	0.59	1555.0	1.14	1.17	1.15
1560.0	3.34	3.26	0.08	28.87	0.60	1560.0	1.15	1.17	1.15
1565.0	3.34	3.26	0.08	29.56	0.62	1565.0	1.16	1.18	1.15
1570.0	3.34	3.26	0.08	30.25	0.62	1570.0	1.16	1.18	1.15
1575.0	3.35	3.27	0.08	30.97	0.63	1575.0	1.17	1.18	1.15
1580.0	3.35	3.27	0.08	31.75	0.64	1580.0	1.17	1.18	1.16
1585.0	3.35	3.27	0.08	32.55	0.64	1585.0	1.18	1.19	1.16
1590.0	3.35	3.27	0.08	33.36	0.64	1590.0	1.19	1.19	1.16
1595.0	3.35	3.27	0.08	34.19	0.65	1595.0	1.19	1.19	1.16
1600.0	3.36	3.28	0.08	35.01	0.66	1600.0	1.20	1.20	1.17
1605.0	3.36	3.28	0.09	35.67	0.66	1605.0	1.21	1.20	1.17
1610.0	3.37	3.28	0.08	36.24	0.66	1610.0	1.21	1.20	1.18
1615.0	3.37	3.29	0.08	36.51	0.67	1615.0	1.22	1.21	1.18
1620.0	3.37	3.29	0.08	36.48	0.68	1620.0	1.23	1.21	1.18
1625.0	3.38	3.29	0.08	36.11	0.69	1625.0	1.23	1.22	1.19
1630.0	3.38	3.30	0.09	35.58	0.69	1630.0	1.24	1.22	1.19
1635.0	3.39	3.30	0.09	34.79	0.71	1635.0	1.25	1.23	1.20
1640.0	3.39	3.30	0.09	33.93	0.71	1640.0	1.25	1.23	1.20
1645.0	3.39	3.30	0.09	33.11	0.70	1645.0	1.26	1.23	1.20
1650.0	3.39	3.31	0.08	32.28	0.74	1650.0	1.27	1.24	1.21
1655.0	3.40	3.31	0.09	31.44	0.72	1655.0	1.28	1.24	1.21
1660.0	3.41	3.32	0.09	30.75	0.74	1660.0	1.28	1.25	1.22

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss



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# 2 Way-0° Power Splitter/Combiner

**BP2G+**

## Typical Performance Data

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

FREQUENCY (MHz)	Total Loss <sup>1</sup> (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (Deg)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
1420.0	3.18	3.11	0.07	18.03	0.62	1420.0	1.09	1.19	1.20
1425.0	3.18	3.11	0.07	18.23	0.64	1425.0	1.09	1.19	1.19
1430.0	3.18	3.11	0.07	18.43	0.65	1430.0	1.08	1.19	1.19
1435.0	3.18	3.11	0.07	18.65	0.65	1435.0	1.08	1.19	1.19
1440.0	3.18	3.10	0.08	18.85	0.64	1440.0	1.08	1.19	1.19
1445.0	3.18	3.11	0.07	19.08	0.65	1445.0	1.08	1.19	1.18
1450.0	3.18	3.11	0.08	19.30	0.66	1450.0	1.07	1.18	1.18
1455.0	3.18	3.11	0.08	19.53	0.67	1455.0	1.07	1.18	1.18
1460.0	3.18	3.11	0.07	19.76	0.68	1460.0	1.07	1.18	1.18
1465.0	3.18	3.11	0.07	19.98	0.67	1465.0	1.07	1.18	1.18
1470.0	3.18	3.11	0.08	20.24	0.69	1470.0	1.07	1.18	1.17
1475.0	3.19	3.11	0.08	20.51	0.70	1475.0	1.07	1.18	1.17
1480.0	3.18	3.10	0.08	20.75	0.69	1480.0	1.07	1.18	1.17
1485.0	3.19	3.11	0.08	21.02	0.70	1485.0	1.07	1.18	1.17
1490.0	3.19	3.11	0.08	21.30	0.72	1490.0	1.08	1.18	1.17
1495.0	3.19	3.11	0.08	21.59	0.70	1495.0	1.08	1.18	1.17
1500.0	3.19	3.11	0.08	21.89	0.72	1500.0	1.08	1.18	1.17
1505.0	3.19	3.11	0.08	22.17	0.71	1505.0	1.09	1.18	1.17
1510.0	3.19	3.11	0.08	22.48	0.73	1510.0	1.09	1.18	1.17
1515.0	3.19	3.11	0.08	22.78	0.72	1515.0	1.09	1.18	1.17
1520.0	3.19	3.11	0.08	23.11	0.73	1520.0	1.10	1.19	1.17
1525.0	3.19	3.11	0.08	23.46	0.75	1525.0	1.10	1.19	1.17
1530.0	3.19	3.11	0.08	23.82	0.74	1530.0	1.11	1.19	1.17
1535.0	3.20	3.11	0.08	24.17	0.76	1535.0	1.11	1.19	1.17
1540.0	3.20	3.11	0.08	24.56	0.77	1540.0	1.12	1.19	1.17
1545.0	3.20	3.12	0.08	24.96	0.77	1545.0	1.12	1.19	1.17
1550.0	3.20	3.12	0.08	25.38	0.79	1550.0	1.13	1.20	1.17
1555.0	3.20	3.12	0.08	25.82	0.78	1555.0	1.14	1.20	1.18
1560.0	3.21	3.12	0.08	26.24	0.79	1560.0	1.14	1.20	1.18
1565.0	3.21	3.12	0.09	26.73	0.80	1565.0	1.15	1.21	1.18
1570.0	3.21	3.12	0.09	27.20	0.80	1570.0	1.15	1.21	1.18
1575.0	3.21	3.13	0.08	27.69	0.81	1575.0	1.16	1.21	1.18
1580.0	3.22	3.13	0.08	28.24	0.82	1580.0	1.17	1.21	1.19
1585.0	3.22	3.13	0.09	28.77	0.81	1585.0	1.17	1.22	1.19
1590.0	3.22	3.13	0.09	29.32	0.82	1590.0	1.18	1.22	1.19
1595.0	3.22	3.13	0.09	29.90	0.84	1595.0	1.19	1.22	1.20
1600.0	3.23	3.14	0.09	30.50	0.85	1600.0	1.19	1.23	1.20
1605.0	3.23	3.14	0.09	31.03	0.84	1605.0	1.20	1.23	1.20
1610.0	3.23	3.14	0.09	31.63	0.85	1610.0	1.21	1.24	1.21
1615.0	3.24	3.15	0.09	32.17	0.87	1615.0	1.21	1.24	1.21
1620.0	3.24	3.15	0.09	32.64	0.88	1620.0	1.22	1.24	1.21
1625.0	3.24	3.15	0.09	33.00	0.87	1625.0	1.23	1.25	1.22
1630.0	3.24	3.15	0.09	33.34	0.89	1630.0	1.24	1.25	1.22
1635.0	3.25	3.16	0.09	33.45	0.90	1635.0	1.24	1.26	1.23
1640.0	3.25	3.16	0.09	33.33	0.90	1640.0	1.25	1.26	1.23
1645.0	3.25	3.16	0.09	33.12	0.90	1645.0	1.26	1.27	1.23
1650.0	3.25	3.16	0.09	32.83	0.93	1650.0	1.27	1.27	1.24
1655.0	3.26	3.17	0.10	32.34	0.92	1655.0	1.27	1.28	1.24
1660.0	3.27	3.17	0.10	31.91	0.93	1660.0	1.28	1.28	1.25

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss



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# 2 Way-0° Power Splitter/Combiner

**BP2G+**

## Typical Performance Data

TEST CONDITIONS: INPUT POWER = -10dBm @ Temperature = +85°C

FREQUENCY (MHz)	Total Loss <sup>1</sup> (dB)		AMPLITUDE UNBALANCE (dB)	ISOLATION (dB) 1-2	PHASE UNBALANCE (Deg)	FREQUENCY (MHz)	VSWR (:1)		
	S-1	S-2					S	1	2
1420.0	3.37	3.32	0.05	19.43	0.35	1420.0	1.08	1.17	1.16
1425.0	3.37	3.32	0.06	19.67	0.37	1425.0	1.07	1.16	1.16
1430.0	3.37	3.32	0.06	19.92	0.37	1430.0	1.07	1.16	1.16
1435.0	3.38	3.32	0.06	20.18	0.38	1435.0	1.07	1.16	1.15
1440.0	3.38	3.32	0.06	20.43	0.37	1440.0	1.07	1.15	1.15
1445.0	3.38	3.32	0.06	20.72	0.37	1445.0	1.07	1.15	1.15
1450.0	3.38	3.32	0.06	20.99	0.37	1450.0	1.07	1.15	1.14
1455.0	3.38	3.32	0.06	21.30	0.39	1455.0	1.07	1.15	1.14
1460.0	3.38	3.32	0.06	21.60	0.39	1460.0	1.07	1.14	1.14
1465.0	3.38	3.32	0.06	21.87	0.39	1465.0	1.07	1.14	1.14
1470.0	3.39	3.33	0.06	22.22	0.41	1470.0	1.08	1.14	1.13
1475.0	3.39	3.33	0.06	22.57	0.41	1475.0	1.08	1.14	1.13
1480.0	3.39	3.32	0.06	22.90	0.41	1480.0	1.08	1.14	1.13
1485.0	3.39	3.33	0.06	23.27	0.41	1485.0	1.08	1.14	1.13
1490.0	3.39	3.33	0.06	23.66	0.42	1490.0	1.09	1.14	1.13
1495.0	3.39	3.33	0.06	24.06	0.42	1495.0	1.09	1.14	1.12
1500.0	3.39	3.33	0.06	24.49	0.42	1500.0	1.09	1.13	1.12
1505.0	3.40	3.33	0.06	24.90	0.44	1505.0	1.10	1.13	1.12
1510.0	3.39	3.33	0.06	25.35	0.44	1510.0	1.10	1.13	1.12
1515.0	3.40	3.33	0.06	25.81	0.44	1515.0	1.10	1.13	1.12
1520.0	3.40	3.34	0.06	26.30	0.44	1520.0	1.11	1.13	1.12
1525.0	3.40	3.34	0.06	26.84	0.46	1525.0	1.11	1.13	1.12
1530.0	3.40	3.34	0.06	27.42	0.45	1530.0	1.12	1.14	1.12
1535.0	3.41	3.34	0.06	27.97	0.46	1535.0	1.13	1.14	1.12
1540.0	3.41	3.35	0.07	28.64	0.47	1540.0	1.13	1.14	1.12
1545.0	3.41	3.35	0.06	29.31	0.47	1545.0	1.14	1.14	1.12
1550.0	3.41	3.35	0.06	30.07	0.49	1550.0	1.14	1.14	1.12
1555.0	3.42	3.35	0.06	30.89	0.49	1555.0	1.15	1.14	1.12
1560.0	3.42	3.35	0.07	31.67	0.48	1560.0	1.15	1.14	1.12
1565.0	3.42	3.35	0.07	32.66	0.51	1565.0	1.16	1.15	1.13
1570.0	3.42	3.36	0.07	33.71	0.50	1570.0	1.16	1.15	1.13
1575.0	3.43	3.36	0.07	34.79	0.51	1575.0	1.17	1.15	1.13
1580.0	3.43	3.36	0.07	35.93	0.52	1580.0	1.18	1.16	1.13
1585.0	3.43	3.36	0.07	37.13	0.51	1585.0	1.18	1.16	1.14
1590.0	3.44	3.37	0.07	38.18	0.52	1590.0	1.19	1.16	1.14
1595.0	3.44	3.37	0.07	39.09	0.53	1595.0	1.19	1.16	1.14
1600.0	3.44	3.37	0.07	39.48	0.55	1600.0	1.20	1.17	1.14
1605.0	3.45	3.38	0.07	39.17	0.55	1605.0	1.21	1.17	1.15
1610.0	3.45	3.38	0.07	38.53	0.54	1610.0	1.21	1.18	1.15
1615.0	3.45	3.38	0.07	37.37	0.56	1615.0	1.22	1.18	1.15
1620.0	3.46	3.39	0.07	36.25	0.56	1620.0	1.23	1.18	1.16
1625.0	3.46	3.39	0.07	35.09	0.56	1625.0	1.23	1.19	1.16
1630.0	3.47	3.39	0.07	34.06	0.58	1630.0	1.24	1.19	1.16
1635.0	3.47	3.40	0.07	32.94	0.58	1635.0	1.25	1.20	1.17
1640.0	3.47	3.40	0.07	32.04	0.59	1640.0	1.25	1.20	1.17
1645.0	3.47	3.40	0.07	31.16	0.59	1645.0	1.26	1.20	1.18
1650.0	3.48	3.41	0.07	30.36	0.61	1650.0	1.27	1.21	1.18
1655.0	3.49	3.41	0.08	29.61	0.61	1655.0	1.27	1.21	1.19
1660.0	3.49	3.41	0.08	28.95	0.62	1660.0	1.28	1.22	1.19

<sup>1</sup>Total Loss = Insertion Loss + 3dB Splitter Loss



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