

POWER SPLITTERS/COMBINERS 50 Ω & 75 Ω

100 kHz to 7.2 GHz

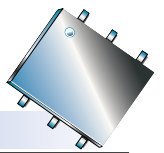


MODEL PREFIX	FREQUENCY RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS, (dB) Above 3 dB						PHASE UNBAL., degrees			AMPLITUDE UNBAL. (dB)			RF POWER MAX (W)	
		L		M		U		L		M		U		L		M		U		Sum Port (Matched output ports)	Internal Dissipation
	f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.		
2 WAY-0°																					
SCP-2-1	0.1-400	25	15	30	20	25	20	0.30	1.2	0.2	0.6	0.4	1.1	2.0	2.0	3.0	0.15	0.2	0.3	1.0	0.125
ADP-2-1	0.5-400	25	20	25	20	25	20	0.20	0.4	0.3	0.6	0.5	1.0	1.0	2.0	3.0	0.10	0.2	0.3	0.5	0.125
JPS-2-1	1-500	34	20	30	20	27	20	0.20	0.8	0.25	0.7	0.4	0.9	1.0	2.0	3.0	0.10	0.2	0.3	1.0	0.125
SYPS-2-1	2-500	40	20	32	20	30	20	0.20	0.6	0.3	0.75	0.6	1.0	2.0	3.0	4.0	0.20	0.3	0.5	1.0	0.125
LRPS-2-1J	5-500	50	25	33	24	30	23	0.25	0.5	0.3	0.6	0.5	1.2	1.0	2.0	3.0	0.15	0.2	0.3	1.0	0.125
SCP-2-1A	1-550	25	20	25	20	25	20	0.30	0.6	0.3	0.6	0.7	1.3	2.0	2.0	3.0	0.15	0.2	0.4	1.0	0.125
JPS-2-1N	350-550	30	20	30	20	30	20	0.25	0.5	0.25	0.5	0.25	0.5	3.0	3.0	3.0	0.3	0.3	0.3	1.0	0.125
ADP-2-1W	1-650	30	20	30	20	24	20	0.20	0.8	0.25	0.8	0.5	1.0	2.0	2.0	3.0	0.15	0.2	0.3	2.0	0.125
JPS-2-1W	3-750	36	20	28	17	19	16	0.50	0.8	0.4	1.0	0.9	1.4	1.0	2.0	4.0	0.20	0.3	0.4	1.0	0.125
ADP-2-9	200-900	27	20	27	20	27	20	0.4	0.8	0.4	0.8	0.4	0.8	2.0	2.0	2.0	0.3	0.3	0.3	0.5	0.125
JPS-2-900	400-900	24	18	24	18	24	18	0.5	1.2	0.5	1.2	0.5	1.2	3.0	3.0	3.0	0.4	0.4	0.4	1.0	0.125
SP-2C	780-960	28	17	28	17	28	17	0.4	0.6	0.4	0.6	0.4	0.6	2.0	2.0	2.0	0.2	0.2	0.2	1.5	0.75
BP2C	810-960	25	18	25	18	25	18	0.6	0.9	0.6	0.9	0.6	0.9	3.0	3.0	3.0	0.2	0.2	0.2	1.5	0.75
LRPS-2-980J	800-980	30	18	30	18	30	18	0.5	1.0	0.5	1.0	0.5	1.0	3.0	3.0	3.0	0.5	0.5	0.5	1.0	0.125
ADP-2-10	5-1000	25	15	23	15	20	15	0.30	0.9	0.4	0.9	0.6	1.2	2.0	2.0	3.0	0.20	0.2	0.3	0.5	0.125
SBTC-2-10	5-1000	29	20	25	18	21	16	0.30	0.7	0.3	0.8	0.5	1.4	3.0	3.0	5.0	0.60	0.5	0.5	0.5	0.125
TCP-2-10	5-1000	25	17	25	16	21	16	0.30	0.9	0.5	0.9	0.5	1.4	4.0	4.0	6.0	0.60	0.6	0.3	0.5	0.125
ADP-2-4	10-1000	25	20	23	16	19	14	0.30	0.5	0.4	0.9	0.8	1.5	1.0	3.0	5.0	0.15	0.2	0.4	1.0	0.125
LRPS-2-4J	10-1000	25	20	23	16	19	14	0.30	0.5	0.4	0.9	0.8	1.5	1.0	3.0	5.0	0.15	0.2	0.4	1.0	0.125
JPS-2-4	100-1000	22	16	22	16	22	16	0.5	1.4	0.5	1.4	0.5	1.4	5.0	5.0	5.0	0.4	0.4	0.4	1.0	0.125
SBB-2-10	800-1000	24	15	24	15	24	15	0.6	1.2	0.6	1.2	0.6	1.2	3.0	3.0	3.0	0.3	0.3	0.3	10.0	0.25
SP-2C1	640-1100	20	10	20	10	20	10	0.4	1.0	0.4	1.0	0.4	1.0	2.0	2.0	2.0	0.2	0.2	0.2	1.5	0.75
BP2C1	650-1100	20	10	20	10	20	10	0.4	1.2	0.4	1.2	0.4	1.2	3.0	3.0	3.0	0.2	0.2	0.2	1.5	0.75
SCN-2-11	800-1175	20	15	20	15	20	15	0.5	0.8	0.5	0.8	0.5	0.8	3.0	3.0	3.0	0.3	0.3	0.3	20.0	▲
SBB-2-13	950-1300	24	15	24	15	24	15	0.6	1.3	0.6	1.3	0.6	1.3	3.0	3.0	3.0	0.6	0.6	0.6	10.0	0.25
SCN-2-15	1100-1450	23	17	23	17	23	17	0.5	0.8	0.5	0.8	0.5	0.8	3.0	3.0	3.0	0.4	0.4	0.4	20.0	▲
SBA-2-14	1200-1600	16	10	16	10	16	10	0.6	1.0	0.6	1.0	0.6	1.0	5.0	5.0	6.0	0.5	0.5	0.5	2.0	0.125
BP2G	1420-1660	28	20	28	20	28	20	0.6	1.0	0.6	1.0	0.6	1.0	3.0	3.0	3.0	0.2	0.2	0.2	1.5	0.375
SP-2G	1420-1660	28	19	28	19	28	19	0.4	0.7	0.4	0.7	0.4	0.7	3.0	3.0	3.0	0.2	0.2	0.2	1.5	0.75
SBB-2-18	1425-1800	22	16	22	16	22	16	0.6	1.2	0.6	1.2	0.6	1.2	4.0	4.0	4.0	0.3	0.3	0.3	10.0	0.25
SCN-2-19	1425-1900	23	17	23	17	23	17	0.5	0.9	0.5	0.9	0.5	0.9	4.0	4.0	4.0	0.4	0.4	0.4	20.0	▲
BP2P	1710-1990	30	18	30	18	30	18	0.7	1.0	0.7	1.0	0.7	1.0	3.0	3.0	3.0	0.2	0.2	0.2	1.5	0.75
SP-2P	1710-1990	28	18	28	18	28	18	0.4	0.8	0.4	0.8	0.4	0.8	3.5	3.5	3.5	0.2	0.2	0.2	1.5	0.75
ADP-2-20	20-2000	18	15	18	15	18	15	0.50	0.8	0.7	1.0	0.8	1.5	2.0	3.0	5.0	0.2	0.3	0.7	1.0	0.125
LRPS-2-11J	20-2000	19	15	21	15	30	15	0.60	0.8	0.7	1.0	0.8	1.5	2.0	3.0	5.0	0.2	0.3	0.7	1.0	0.125
LRPS-2-11A	20-2000	19	15	21	15	30	15	0.6	0.8	0.7	1.0	0.8	1.5	2.0	3.0	5.0	0.2	0.3	0.7	1.0	0.125
SBTC-2-20	200-2000	20	14	20	14	20	14	0.8	2.2	0.8	2.2	0.8	2.2	10.0	10.0	10.0	0.8	0.8	0.8	0.5	0.125
BP2G1	1200-2000	21	10	21	10	21	10	0.6	1.3	0.6	1.3	0.6	1.3	3.0	3.0	3.0	0.3	0.3	0.3	1.5	0.75
SP-2G1	1200-2000	20	10	20	10	20	10	0.7	1.3	0.7	1.3	0.7	1.3	4.0	4.0	4.0	0.2	0.2	0.2	1.5	0.75
SBA-2-18	1600-2000	19	13	19	13	19	13	0.4	1.0	0.4	1.0	0.4	1.0	6.0	6.0	6.0	0.6	0.6	0.6	2.0	0.125
GP2S	80-2100	24	17	24	17	24	17	0.8	1.4	0.8	1.4	0.8	1.4	4.0	4.0	4.0	0.2	0.2	0.2	1.5	0.75
SBA-2-20	1800-2200	22	13	22	13	22	13	0.5	1.1	0.5	1.1	0.5	1.1	7.0	7.0	7.0	0.7	0.7	0.7	2.0	0.125
SCN-2-22	1850-2200	22	17	22	17	22	17	0.5	0.9	0.5	0.9	0.5	0.9	5.0	5.0	5.0	0.4	0.4	0.4	20.0	0.25
SP-2P1	1350-2250	20	9	20	9	20	9	0.5	1.1	0.5	1.1	0.5	1.1	4.0	4.0	4.0	0.2	0.2	0.2	1.5	0.75
SBB-2-23	2000-2300	24	17	24	17	24	17	0.6	1.0	0.6	1.0	0.6	1.0	3.0	3.0	3.0	0.3	0.3	0.3	10.0	0.25
SP-2U	2100-2300	24	18	24	18	24	18	0.5	0.7	0.5	0.7	0.5	0.7	3.0	3.0	3.0	0.2	0.2	0.2	1.5	0.75
BP2P1	1400-2350	20	10	20	10	20	10	0.5	1.3	0.5	1.3	0.5	1.3	4.0	4.0	4.0	0.3	0.3	0.3	1.5	0.75
SBB-2-21W	1425-2400	22	15	22	15	22	15	0.6	1.1	0.6	1.1	0.6	1.1	4.0	4.0	4.0	0.3	0.3	0.3	10.0	0.25
SYPS-2-252	5-2500	24	15	18	15	17	14	0.4	0.6	0.7	1.4	1.3	2.4	1.0	3.0	5.0	0.1	0.3	0.5	0.5	0.05
TCP-2-25	200-2500	18	10	18	10	18	10	0.8	1.3	0.8	1.3	0.8	1.3	6.0	6.0	6.0	0.8	0.8	0.8	0.5	0.125

▲ Total power on output ports not to exceed max sum port power.

L=low range (f_L to $10f_L$) M= mid range ($10f_L$ to $f_U/2$) U= upper range ($f_U/2$ to f_U)





MODEL PREFIX	FREQUENCY RANGE (MHz)	ISOLATION (dB)						INSERTION LOSS, (dB) Above 3 dB						PHASE UNBAL., degrees			AMPLITUDE UNBAL. (dB)			RF POWER MAX (W)	
		L		M		U		L		M		U		L		M		U		Sum Port (Matched output ports)	Internal Dissipation
	f_L - f_U	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.		
2 WAY-0°																					
GP2S1	500-2500	20	9	20	9	20	9	0.9	1.8	0.9	1.8	0.9	1.8	5.0	5.0	5.0	0.2	0.2	0.2	1.5	0.75
SBTC-2-25	1000-2500	20	14	20	14	20	14	1.4	2.5	1.4	2.5	1.4	2.5	14.0	14.0	14.0	1.2	1.2	1.2	1.0	0.125
LRPS-2-25J	1700-2500	20	16	20	16	20	16	0.8	1.3	0.8	1.3	0.8	1.3	10.0	10.0	10.0	0.9	0.9	0.9	1.0	0.125
BP2U	2100-2500	30	19	30	19	30	19	0.5	0.8	0.5	0.8	0.5	0.8	2.0	2.0	2.0	0.2	0.2	0.2	1.5	0.75
SP-2U1	2300-2500	22	16	22	16	22	16	0.5	0.9	0.5	0.9	0.5	0.9	3.0	3.0	3.0	0.2	0.2	0.2	1.5	0.75
SBA-2-22	2000-2600	18	10	18	10	18	10	0.8	1.6	0.8	1.6	0.8	1.6	10.0	10.0	10.0	0.8	0.8	0.8	2.0	0.125
SCN-2-27	2225-2700	21	17	21	17	21	17	0.5	1.1	0.5	1.1	0.5	1.1	6.0	6.0	6.0	0.8	0.8	0.8	2.0	▲
SP-2U2	1720-2850	17	9	17	9	17	9	0.5	1.4	0.5	1.4	0.5	1.4	3.0	3.0	3.0	0.2	0.2	0.2	1.5	0.75
RPS-2-30	10-3000	19	12	22	15	15	9	0.6	1.0	0.9	1.5	1.2	2.5	2.0	4.0	8.0	0.3	0.6	1.2	0.5	0.125
TCP-2-33	1000-3000	18	15	18	15	18	15	0.8	1.9	0.8	1.9	0.8	1.9	5.0	5.0	5.0	0.9	0.9	0.9	0.5	▲
GP2Y	1600-3300	24	17	24	17	24	17	0.8	1.5	0.8	1.5	0.8	1.5	0.4	0.4	0.4	0.2	0.2	0.2	1.5	0.75
BP2U1	1750-3000	20	10	20	10	20	10	0.5	1.6	0.5	1.6	0.5	1.6	4.0	4.0	4.0	0.4	0.4	0.4	1.5	0.75
SCN-2-35	2825-3700	22	13	22	13	22	13	0.4	1.3	0.4	1.3	0.4	1.3	4.0	4.0	4.0	0.3	0.3	0.3	4.0	▲
SP-2W	3300-3800	25	16	25	16	25	16	0.5	0.9	0.5	0.9	0.5	0.9	7.0	7.0	7.0	0.2	0.2	0.2	0.75	0.375
SP-2L	2700-4000	18	10	18	10	18	10	0.75	1.4	0.75	1.4	0.75	1.4	8.0	8.0	8.0	0.3	0.3	0.3	0.75	0.375
SP-2W1	2875-4200	20	10	20	10	20	10	0.8	1.4	0.8	1.4	0.8	1.4	8.0	8.0	8.0	0.2	0.2	0.2	0.75	0.375
SCN-2-45	3700-4200	22	13	22	13	22	13	0.7	1.0	0.7	1.0	0.7	1.0	4.0	4.0	4.0	0.4	0.4	0.4	4.0	▲
GP2Y1	1550-4400	20	12	20	12	20	12	1.0	1.9	1.0	1.9	1.0	1.9	6.0	6.0	6.0	0.3	0.3	0.3	1.5	0.75
GP2X	2900-6200	24	15	24	15	24	15	0.6	1.5	0.6	1.5	0.6	1.5	9.0	9.0	9.0	0.3	0.3	0.3	1.5	0.75
SCN-2-65	5500-6500	17	11	17	11	17	11	0.8	1.1	0.8	1.1	0.8	1.1	5.0	5.0	5.0	0.4	0.4	0.4	4.0	▲
GP2X1	2800-7200	22	10	22	10	22	10	0.8	1.9	0.8	1.9	0.8	1.9	10.0	10.0	10.0	0.4	0.4	0.4	1.5	0.75
■ LRPS-2-1-75J	2-500	35	18	35	25	27	20	0.30	0.8	0.35	0.6	0.5	1.0	1.0	2.0	3.0	0.15	0.2	0.3	1.0	0.125
■ JPS-2-1-75	5-500	25	18	35	20	20	18	0.15	0.5	0.15	0.7	0.25	0.7	1.0	2.0	3.0	0.10	0.2	0.4	1.0	0.125
■ LRPS-2-1W-75J	10-650	28	22	29	24	30	20	0.50	1.0	0.6	0.75	0.6	1.2	1.0	2.0	3.0	0.15	0.2	0.3	1.0	0.125
■ ADP-2-10W-75	5-1000	24	14	23	18	24	18	0.20	0.6	0.3	0.9	0.5	1.1	1.0	3.0	5.0	0.10	0.2	0.3	0.5	0.125
■ JYPS-2-4-75	5-1000	24	17	25	20	30	18	0.40	0.8	0.4	1.0	0.8	1.5	3.0	4.0	5.0	0.20	0.3	0.4	0.5	0.125
■ TCP-2-10-75	5-1000	24	14	29	19	30	16	0.30	1.4	0.3	0.9	0.6	1.3	6.0	4.0	3.0	1.20	0.6	0.5	0.5	▲
■ SBTC-2-10-75	10-1000	35	20	28	20	21	17	0.70	1.2	0.6	1.2	0.7	1.4	3.0	3.0	5.0	0.70	0.6	0.6	0.5	0.125
■ JPS-2-4-75	20-1000	27	20	29	20	27	16	0.35	0.7	0.4	0.8	0.45	1.0	2.0	2.0	3.0	0.20	0.2	0.3	1.0	0.125
■ ADP-2-10-75	50-1000	26	20			22	18	0.60	1.0			0.8	1.4	2.0		3.0	0.15		0.3	0.5	0.125
■ SBTC-2-15-75	500-1500	28	18	28	18	28	18	0.8	1.5	0.8	1.5	0.8	1.5	5.0	5.0	5.0	0.9	0.9	0.9	0.5	0.125
■ ADP-2-20-75	5-2000	16	12	16	13	28	15	0.40	0.9	0.5	1.2	0.6	1.4	1.0	4.0	5.0	0.15	0.3	0.6	0.5	0.25
■ SYPS-2-282-75	5-2750	20	12	25	18	22	13	0.5	0.7	0.8	1.1	1.5	2.7	2.0	4.0	6.0	0.2	0.4	1.0	0.5	0.05

75 Ω

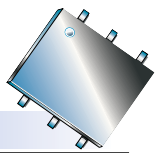
▲ Total power on output ports not to exceed max sum port power.

Impedance Matching 50 to 75 Ω / 75 to 50 Ω

SBTC-2-10-7550	5-1000	23	13	24	20	26	20	0.50	1.3	0.6	1.1	0.7	1.5	6.0	3.0	5.0	0.80	0.5	0.5	0.5	0.125
SBTC-2-10-5075	50-1000	25	16	—	—	20	15	0.70	1.2	—	—	1.0	1.6	3.0	—	5.0	0.60	—	0.5	0.5	0.125

L=low range (f_L to $10f_L$) M= mid range ($10f_L$ to $f_U/2$) U= upper range ($f_U/2$ to f_U)





POWER SPLITTERS/COMBINERS

9 MHz to 7.2 GHz 50 Ω



JSPQ, JSPQW
Case BK276

SCPO
Case YY101

LTCC LTCC LTCC LTCC LTCC

QCS
Case GE0805C-1

QCN
Case FV1206-1

QCC
Case GF981

QBA
Case SM33

QBA
Case SM1L

HPQ
Case AT577

RPQ
Case TT240

LRPQ
Case QQQ569

LRPQ-J
Case QQQ130

ADPQ
Case CD637

ADQ
Case CJ725

SYPO
Case AH202

JYPQ
Case BJ293

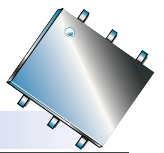
MODEL PREFIX	FREQUENCY RANGE (MHz)	ISOLATION (dB)	INSERTION LOSS (dB) Avg. of Coupled Outputs less 3 dB	PHASE UNBALANCE (Degrees)	AMPLITUDE UNBALANCE (dB)	INPUT RF Power Max (W) Sum Port Output ports (Matched (Other ports output ports) matched *)
	f_L - f_U	Typ. Min.	Typ. Max.	Max.	Max.	

2 WAY-90°

SCPQ-10.5	9-11	31	20	0.15	0.70	3.0	1.20	1.0	0.50
JYPQ-16	10-16	43	25	0.20	0.60	4.0	0.90	1.0	0.50
SCPQ-21.4	20-23	32	25	0.15	0.50	2.5	1.00	1.0	0.50
JYPQ-30	16-30	28	20	0.20	0.70	3.0	1.50	1.0	0.50
SCPQ-50	25-50	25	20	0.15	0.70	3.0	1.50	1.0	0.50
SCPQ-60	30-60	30	20	0.15	0.70	3.0	1.50	1.0	0.50
JSPQ-65W	5-65	33	25	0.70	1.50	5.0	0.70	1.0	0.125
LRPQ-70J	65-75	30	20	0.10	0.50	3.0	1.00	1.0	0.50
SYPO-70	65-75	31	24	0.10	0.40	3.0	1.10	1.0	0.50
JSPQ-80	10-80	44	30	0.45	1.40	6.0	0.60	1.0	0.125
SCPQ-85C	55-85	30	20	0.30	0.60	3.0	0.60	1.0	0.50
ADQ-90	55-90	26	20	0.20	0.70	4.0	1.20	0.5	0.25
SCPQ-90	55-90	26	20	0.20	0.70	3.0	1.20	1.0	0.50
JSPQW-100A	30-100	41	30	0.50	1.10	4.0	0.60	1.0	0.125
JSPQW-100	40-100	24	18	0.20	0.60	3.0	1.20	1.0	0.5
SCPQ-150	95-150	22	18	0.30	0.70	3.0	1.20	1.0	0.5
ADQ-22	95-200	28	24	0.30	0.60	6.0	1.60	0.5	0.25
JYPQ-160	105-160	24	17	0.25	0.60	3.0	1.50	1.0	0.5
ADQ-180	120-180	35	20	0.20	0.70	6.0	1.50	0.5	0.25
SCPQ-180	120-180	20	16	0.30	0.70	3.0	1.20	1.0	0.5
ADPQ-2-250	150-250	24	17	0.20	0.70	4.0	1.40	1.0	0.5
LRPQ-320J	270-320	21	18	0.30	0.60	3.0	1.20	1.0	0.5
ADQ-32	160-327	22	18	0.30	0.70	5.0	1.60	1.0	0.5
ADQ-32W	104-340	20	16	0.60	0.90	8.0	1.80	0.5	0.25
JSPQ-350	150-350	20	13	0.50	1.00	5.0	1.50	1.0	0.5
HPQ-04	315-395	24	18	0.20	0.45	3.0	1.60	1.0	0.5
SCPQ-400	250-400	20	16	0.30	0.70	3.0	1.00	1.0	0.5
HPQ-05	410-455	25	20	0.17	0.35	3.0	1.12	1.0	0.5
QCN-3	220-470	24	18	0.60	0.80	8.0	1.70	15.0	7.5
HPQ-05W	380-490	25	20	0.20	0.40	3.0	1.60	1.0	0.5
HPQ-06	510-570	26	18	0.20	0.40	3.0	1.20	1.0	0.5
QCN-5	330-580	20	14	0.40	0.90	5.0	1.10	15.0	3.50
HPQ-06W	480-600	26	18	0.20	0.40	3.0	1.60	1.0	0.50
QCN-7	425-675	17	11	0.40	1.00	8.0	1.00	15.0	7.5
QBA-07	340-680	22	16	0.80	0.80	7.0	2.00	21.0	10.5
LRPQ-700J	500-700	23	18	0.20	0.60	3.0	1.80	1.0	0.50
HPQ-07	580-690	24	18	0.20	0.40	3.0	1.60	1.0	0.50
HPQ-08	680-790	24	18	0.25	0.40	3.0	1.60	1.0	0.50
HPQ-09	730-800	25	20	0.20	0.40	3.0	1.20	1.0	0.50
HPQ-09W	690-830	24	20	0.20	0.40	3.0	1.60	1.0	0.50
RPQ-820	760-860	22	15	0.15	0.70	4.0	1.00	1.0	0.50
QBA-12N	800-900	28	20	0.25	0.30	3.0	1.00	50.0	25.0
HPQ-10	900-970	22	17	0.25	0.45	4.0	1.20	1.0	0.50
HPQ-10W	880-1030	22	16	0.28	0.50	4.0	1.60	1.0	0.50
HPQ-11	980-1070	23	18	0.25	0.50	3.5	1.20	1.0	0.50
HPQ-12	990-1100	21	16	0.25	0.45	4.0	1.20	1.0	0.50
HPQ-12W	940-1130	21	16	0.30	0.50	4.0	1.60	1.0	0.50
QBA-12	800-1200	23	14	0.25	0.44	6.0	1.20	50.0	25.0
QCN-12A	800-1250	17	13	0.30	0.70	5.0	0.80	15.0	7.5
QCN-12	800-1375	19	14	0.40	1.00	13.0	1.00	15.0	7.5
QCN-13D	675-1300	20	14	0.40	0.90	8.0	1.30	15.0	7.5
HPQ-15	1320-1430	19	15	0.30	0.50	5.0	1.20	1.0	0.5
HPQ-15W	1240-1460	19	15	0.30	0.60	5.0	1.60	1.0	0.5
RPQ-1495	1400-1600	18	14	0.30	0.80	5.0	1.00	1.0	0.5
JSPQ-1875W	1325-1875	28	18	0.20	0.50	6.0	1.00	1.0	0.5
QCN-19	1100-1925	26	19	0.40	0.90	4.0	1.10	15.0	7.5
QBA-20	1800-2000	23	18	0.47	0.54	4.0	0.70	25.0	12.5
QCC-20	1200-2200	32	16	0.40	0.90	5.0	1.00	17.5	8.7
QBA-20W	1500-2200	23	16	0.41	0.58	5.0	1.20	25.0	12.5
QBA-24W	1700-2400	21	15	0.49	0.71	6.0	1.20	20.0	12.5
QBA-24	1900-2400	21	17	0.54	0.71	6.0	0.80	20.0	10.0
QCN-25	1350-2450	25	18	0.40	0.90	5.0	1.10	15.0	7.5
QCC-22	1500-2500	28	15	0.40	0.80	4.0	1.30	17.5	8.7
QCN-27	1700-2700	30	18	0.40	0.90	6.0	1.00	15.0	7.5
QCS-312	1700-3100	25	17	0.50	0.80	7.0	1.20	15.0	7.5
QCS-332	1800-3300	18	17	0.50	0.80	5.0	1.20	15.0	7.5
QCN-34	2500-3400	32	20	0.40	0.70	4.0	1.20	15.0	7.5
QCS-442	2000-4400	23	16	0.50	0.80	7.0	1.10	15.0	7.5
QCN-45	2500-4500	19	15	0.50	0.80	6.0	2.10	15.0	7.5
QCS-592	3100-5900	25	16	0.70	1.0	5.0	1.40	15.0	7.5
QCS-722	4000-7200	23	13	0.60	1.1	10.0	1.40	15.0	7.5

* Limited by the rating of external termination.





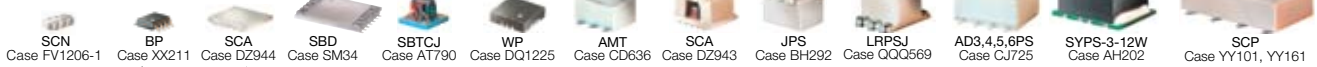
POWER SPLITTERS/COMBINERS

1 MHz to 6.5 GHz 50 Ω & 75 Ω

LTCC

LTCC

LTCC



MODEL PREFIX	FREQ. RANGE, (MHz)	ISOLATION (dB)						INSERTION LOSS (dB)						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			INPUT RF Power Max (W)	
	f_L - f_U	L		M		U		L		M		U		L	M	U	L	M	U	Sum Port (Matched output ports)	Internal Dissipation (output ports)
		Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.	Max.

2 WAY-0°/180°

Insertion Loss Above 3 dB

AMT-2	50-200	35	20	35	20	35	20	0.8	1.2	0.8	1.2	0.8	1.2	2	2	2	0.3	0.3	0.3	0.5	0.125
-------	--------	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	---	---	---	-----	-----	-----	-----	-------

2 WAY-180°

SBTCJ-1W	1-750	23	20	22	20	24	20	0.6	1.7	0.6	1.2	0.9	1.8	3	7	10	0.2	0.4	0.9	0.5	0.125
SCPJ-2-750	30-750	24	18	21	16	20	16	0.7	1.5	1.5	2.2	1.5	2.2	3	4	6	0.8	0.8	0.8	0.5	0.125
SCPJ-2-9	200-900	—	—	24	17	—	—	1.0	1.8	1.0	1.8	1.0	1.8	6	6	6	0.7	0.7	0.7	1.0	0.125
■ SCPJ-2-1W-75	10-500	30	25	27	20	22	16	1.0	1.5	1.1	1.6	1.5	2.2	3	4	6	0.3	0.5	0.9	0.5	0.125
■ SCPJ-2-750-75	30-750	26	20	—	—	26	16	1.0	1.5	—	—	1.5	2.2	3	—	6	0.8	—	0.9	0.5	0.125

3 WAY-0°

Insertion Loss Above 4.8 dB

AD3PS-1	1-300	40	23	35	20	27	18	0.3	0.8	0.4	1.0	0.8	1.5	1	4	6	0.2	0.3	0.5	0.5	0.25
SCP-3-1	1-300	30	25	25	20	20	15	0.3	0.6	0.4	0.8	0.7	1.5	1	2	4	0.1	0.15	0.5	1.0	0.375
JPS-3-1	5-300	34	25	33	23	32	20	0.3	0.6	0.3	0.7	0.5	1.4	2	4	6	0.4	0.4	0.6	1.0	0.375
LRPS-3-1J	10-300	25	20	25	20	25	20	0.2	0.6	0.3	0.8	0.5	1.2	2	3	4	0.1	0.3	0.7	1.0	0.375
JPS-3-1W	50-750	23	17	—	—	26	17	0.4	1.0	—	—	0.9	1.4	6	—	7	0.3	—	0.6	1.0	0.5
LRPS-3-850J	500-850	23	16	23	16	23	16	0.7	1.6	0.7	1.6	0.7	1.6	8	8	8	0.9	0.9	0.9	1.0	0.375
SCA-3-11	100-940	20	14	20	14	20	14	—	—	0.7	1.5	—	—	7	7	7	0.7	0.7	0.7	0.5	0.25
SYPS-3-12W	20-1200	—	—	22	15	—	—	1.2	2.9	1.2	2.9	1.2	2.9	6	6	6	0.9	0.9	0.9	1.0	0.15
SCN-3-13	750-1325	12	10	12	10	12	10	1.0	1.5	1.0	1.5	1.0	1.5	3	3	3	0.7	0.7	0.7	15.0	▲
SCN-3-16	950-1600	15	11	15	11	15	11	0.6	1.2	0.6	1.2	0.6	1.2	5	5	5	0.5	0.5	0.5	15.0	▲
SCN-3-28	1600-2800	12	10	12	10	12	10	0.8	1.2	0.8	1.2	0.8	1.2	8	8	8	0.6	0.6	0.6	15.0	▲
■ SYPS-3-12W-75	20-1200	22	17	22	17	22	17	1.2	2.2	1.2	2.2	1.2	2.2	5	5	5	0.8	0.8	0.8	1.0	0.15

4 WAY-0°

Insertion Loss Above 6 dB

SCP-4-1	1-400	32	23	26	18	21	17	0.4	1.2	0.6	1.2	1.0	1.5	1	4	9	0.2	0.3	0.5	1.0	0.25
AD4PS-1	1-500	32	18	30	20	25	18	0.4	1.2	0.5	1.2	0.8	1.8	2	5	7	0.4	0.5	0.8	0.5	0.25
SCP-4-1W	10-650	34	28	23	18	21	15	0.7	1.0	0.9	1.5	1.1	1.9	3	7	12	0.2	0.4	0.7	1.0	0.25
JS4PS-1	80-750	36	20	36	20	36	20	0.8	1.5	0.8	1.5	0.8	1.5	5	5	5	0.5	0.5	0.5	0.75	0.5
WP4C	810-960	24	18	24	18	24	18	0.8	1.6	0.8	1.6	0.8	1.6	3	3	3	0.5	0.5	0.5	1.5	0.375
BP4C	810-960	24	17	22	18	24	17	0.7	1.6	0.7	1.6	0.7	1.6	8	8	8	0.6	0.6	0.6	1.5	0.375
SCP-4-4	800-1000	24	17	24	17	24	17	0.7	1.5	0.7	1.5	0.7	1.5	12	12	12	1.0	1.0	1.0	1.0	0.25
SCA-4-10	5-1000	25	15	25	15	25	15	0.8	2.5	0.8	2.5	0.8	2.5	11	11	11	0.9	0.9	0.9	0.5	0.375
JS4PS-1W	5-1000	29	20	26	18	20	15	0.3	1.1	0.8	1.5	1.5	2.4	5	5	12	0.8	0.7	0.7	0.5	0.375
WP4M	720-1125	22	15	22	15	22	15	0.7	1.7	0.7	1.7	0.7	1.7	3	3	3	0.5	0.5	0.5	1.5	0.375
WP4C1	800-1150	22	15	22	15	22	15	0.7	1.6	0.7	1.6	0.7	1.6	4	4	4	0.5	0.5	0.5	1.5	0.375
BP4C1	750-1200	20	13	20	13	20	13	0.7	1.4	0.7	1.4	0.7	1.4	14	14	14	0.6	0.6	0.6	1.5	0.375
WP4G	1400-1660	28	19	28	19	28	19	0.7	1.4	0.7	1.4	0.7	1.4	4	4	4	0.5	0.5	0.5	1.5	0.375
WP4N	1215-1900	23	14	23	14	23	14	0.7	1.9	0.7	1.9	0.7	1.9	5	5	5	0.5	0.5	0.5	1.5	0.375
BP4P	1710-1990	23	18	23	18	23	18	0.8	1.3	0.8	1.3	0.8	1.3	15	15	15	0.5	0.5	0.5	1.5	0.375
WP4G1	1300-2000	26	14	26	14	26	14	0.8	1.9	0.8	1.9	0.8	1.9	5	5	5	0.5	0.5	0.5	1.5	0.375
SCA-4-20	1000-2000	15	8	15	8	15	8	1.0	1.8	1.0	1.8	1.0	1.8	5	5	5	0.9	0.9	0.9	5.0	0.25
WP4P	1710-2025	29	19	29	19	29	19	0.7	1.4	0.7	1.4	0.7	1.4	4	4	4	0.4	0.4	0.4	1.5	0.375
WP4P1	1525-2375	26	15	26	15	26	15	0.9	2.0	0.9	2.0	0.9	2.0	4	4	4	0.5	0.5	0.5	1.5	0.375
WP4U	2100-2500	28	18	28	18	28	18	0.7	1.4	0.7	1.4	0.7	1.4	4	4	4	0.5	0.5	0.5	1.5	0.375
BP4U	2100-2500	23	17	23	17	23	17	0.7	1.2	0.7	1.2	0.7	1.2	20	20	20	1.1	1.1	1.1	1.5	0.375
BP4P1	1500-2500	21	15	21	15	21	15	0.8	1.6	0.8	1.6	0.8	1.6	25	25	25	0.8	0.8	0.8	1.5	0.375
SBD-4-25	1800-2600	20	12	20	12	20	12	1.0	1.9	1.0	1.9	1.0	1.9	8	8	8	0.7	0.7	0.7	10.0	0.375
WP4R	2300-2700	26	18	26	18	26	18	0.7	1.4	0.7	1.4	0.7	1.4	6	6	6	0.4	0.4	0.4	1.5	0.375
WP4U1	1875-2800	24	15	24	15	24	15	0.7	1.9	0.7	1.9	0.7	1.9	5	5	5	0.5	0.5	0.5	1.5	0.375
WP4R1	2000-3000	24	16	24	16	24	16	0.7	2.1	0.7	2.1	0.7	2.1	7	7	7	0.5	0.5	0.5	1.5	0.375
BP4U1	1850-3000	23	13	23	13	23	13	0.7	1.7	0.7	1.7	0.7	1.7	28	28	28	1.3	1.3	1.3	1.5	0.375
WP4L	2700-3800	24	16	24	16	24	16	0.7	2.1	0.7	2.1	0.7	2.1	9	9	9	0.5	0.5	0.5	1.5	0.375
WP4W	3300-3800	26	18	26	18	26	18	0.8	1.4	0.8	1.4	0.8	1.4	8	8	8	0.4	0.4	0.4	1.5	0.375
WP4W1	3000-4200	26	17	26	17	26	17	0.9	1.9	0.9	1.9	0.9	1.9	9	9	9	0.5	0.5	0.5	1.5	0.375
WP4S	3400-4600	30	16	30	16	30	16	0.8	1.8	0.8	1.8	0.8	1.8	9	9	9	0.6	0.6	0.6	1.5	0.375
WP4F	5150-5875	29	18	29	18	29	18	1.0	1.8	1.0	1.8	1.0	1.8	7	7	7	0.5	0.5	0.5	1.5	0.375
WP4F1	4750-6200	28	16	28	16	28	16	1.0	2.0	1.0	2.0	1.0	2.0	9	9	9	0.6	0.6	0.6	1.5	0.375
WP4A	5100-6500	25	15	25	15	25	15	0.9	2.0	0.9	2.0	0.9	2.0	8	8	8	0.5	0.5	0.5	1.5	0.375
■ JS4PS-1W-75	5-750	34	25	35	25	30	18	0.6	1.2	0.6	1.5	0.8	1.5	3	5	6	0.2	0.3	0.6	0.25	0.25
■ SCP-4-1W-75	10-750	36	20	32	20	24	15	0.5	1.0	0.65	1.3	0.8	2.0	1.5	3	6	0.2	0.4	0.9	0.50	0.375
■ JS4PS-9-75	50-860	25	16	25	16	25	16	0.6	1.9	0.6	1.9	0.6	1.9	5	5	5	0.8	0.8	0.8	0.50	0.05
■ SCA-4-10-75	10-1000	25	15	25	15	25	15	1.5	2.5	1.5	2.5	1.5	2.5	10	10	10	1.2	1.2	1.2	0.50	0.375
■ SCP-4-4-75	10-1000	36	20	32	18	24	14	0.5	1.0	0.65	1.3	0.8	2.0	3	6	12	0.2	0.4	0.9	1.00	0.375
■ SCA-4-15-75	10-1500	19	15	19	15	19	15	1.2	2.8	1.2	2.8	1.2	2.8	16	16	16	1.1	1.1	1.1	0.50	0.375

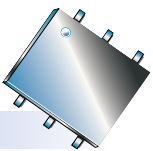
QUADRAPURE OUTPUT

Insertion Loss Above 6 dB

SCQ-4-1650	1150-1650	22	18	22	18	22	18	1.5	2.0	1.5	2.0	1.5	2.0	8	8	8	1.0	1.0	1.0	1.0	0.20
------------	-----------	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	---	---	---	-----	-----	-----	-----	------

■ 75 Ω

▲ Total power on output ports not to exceed sum port power



POWER SPLITTERS/COMBINERS 50 Ω & 75 Ω
1 MHz to 1 GHz



MODEL PREFIX	FREQUENCY RANGE, (MHz) f_L - f_U	ISOLATION (dB)						INSERTION LOSS (dB)						PHASE UNBALANCE (Degrees)			AMPLITUDE UNBALANCE (dB)			RF POWER MAX (W)	
		L Typ.	Min.	M Typ.	Min.	U Typ.	Min.	L Typ.	Max.	M Typ.	Max.	U Typ.	Max.	L Max.	M Max.	U Max.	L Max.	M Max.	U Max.	Sum Port (Matched output ports)	Internal Dissipation

5 WAY-0°

Insertion Loss Above 7 dB

SCP-5-1	2-200	30	20	29	20	30	20	0.2	0.5	0.3	0.75	0.6	1.5	1	3	5	0.2	0.30	0.6	1.0	0.625
AD5PS-1	1-400	35	18	25	20	27	20	0.15	0.5	0.3	1.0	0.8	1.8	1	6	9	0.3	0.40	0.6	0.5	0.4

6 WAY-0°

Insertion Loss Above 7.8 dB

AD6PS-1	2-250	35	17	30	20	27	20	0.2	0.6	0.2	1.0	0.6	1.5	2	6	9	0.3	0.4	0.6	0.5	0.5
JCPS-6-3	75-425	23	18	23	18	23	18	0.9	1.8	0.9	1.8	0.9	1.8	9	9	9	0.7	0.7	0.7	0.25	0.5

8 WAY-0°

Insertion Loss Above 9 dB

JCPS-8-850	10-850	34	20	25	17	20	15	0.8	1.5	1.0	2.5	1.8	3.0	5	10	15	0.6	0.7	1.0	1.0	0.875
JCPS-8-10	5-1000	34	20	22	16	20	15	0.5	1.5	1.2	2.2	1.8	3.0	5	10	15	1.0	0.7	1.3	0.5	0.875
■ JCPS-8-850-75	10-850	34	20	25	15	20	15	0.7	1.5	1.0	2.0	1.8	3.0	—	—	—	0.6	0.7	1.0	1.0	0.875
■ JCPS-8-10-75	5-1000	34	20	25	15	20	13	0.8	1.5	1.0	2.5	1.8	3.0	3	8	10	0.4	0.5	1.3	1.0	0.62

12 WAY-0°

Insertion Loss Above 10.8 dB

JEPS-12-10	50-1000	25	16	—	—	23	14	1.6	2.5	—	—	2.2	4.0	10	—	23	0.7	—	1.4	0.5	0.87
------------	---------	----	----	---	---	----	----	-----	-----	---	---	-----	-----	----	---	----	-----	---	-----	-----	------

16 WAY-0°

Insertion Loss Above 12 dB

JEPS-16-1W	5-1000	36	23	23	17	20	15	0.8	2.0	1.5	2.5	3.0	4.2	8	13	20	1.5	1.2	1.8	0.5	1.875
■ JEPS-16-1W-75	10-800	32	20	23	15	20	15	1.6	3.5	1.9	3.5	2.2	4.0	10	15	30	0.8	1.2	2.1	0.5	0.275

■ 75 Ω

L = low range (f_L to $10f_L$) M = mid range ($10f_L$ to $f_U/2$) U = upper range ($f_U/2$ to f_U)

