

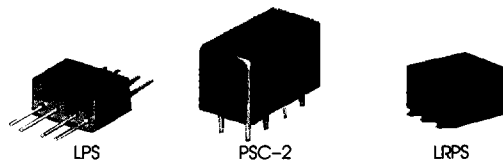
# Power Splitter/Combiners

## 2 WAY-0°

### 4 KHz to 2 GHz

#### case style selection

outline drawings see Table of Contents



MODEL NO.	FREQ. RANGE MHz $f_L - f_U$	ISOLATION dB			INSERTION LOSS, dB Above 3dB			PHASE UNBALANCE Degrees			AMPLITUDE UNBALANCE dB			CAPD DATA (see RF/IF Designer handbook) Page	CASE STYLE Note B	CONNECTION	PRICE \$ Qty. (1-9)						
		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.										
● LRPS-2-1	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	2-118	QQQ130	am	8.95
● LRPS-2-1-75	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	—	QQQ130	am	8.95
● LRPS-2-1W-75	10-650	28	22	29	24	30	20	0.5	1.0	0.6	0.75	0.6	1.2	1.0	2.0	3.0	0.15	0.2	0.3	—	QQQ130	am	9.95
● LRPS-2-4	10-1000	25	20	23	16	19	14	0.3	0.5	0.4	0.9	0.8	1.5	1.0	3.0	5.0	0.15	0.2	0.4	2-120	QQQ130	am	19.95
● LRPS-2-11	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	—	QQQ130	gn	24.95
● LRPS-2-980	800-900			30	18					0.5	1.0				3.0			0.5	—	QQQ130	am	8.95	
LPS-109	10-500	35	25	30	25	30	25	0.3	0.5	0.4	0.6	0.5	1.1	2.0	3.0	4.0	0.15	0.2	0.3	2-84	BB48	an	17.95
PSC-2-1	0.1-400	20	15	25	20	25	20	0.2	0.6	0.4	0.75	0.6	1.0	2.0	3.0	4.0	0.15	0.2	0.3	2-84	A01	ap	10.95
PSC-2-1W	1-650	25	20	35	20	25	20	0.3	0.6	0.5	0.9	0.7	1.0	2.0	3.0	4.0	0.15	0.2	0.3	2-85	A01	ap	16.95
✦ PSC-2-2	0.004-60	27	20	30	20	27	20	0.3	0.6	0.3	0.6	0.6	1.0	2.0	3.0	4.0	0.15	0.25	0.3	2-85	A01	ap	23.95
PSC-2-4	10-1000	30	25	25	20	25	20	0.6	1.0	0.6	1.2	0.7	1.3	2.0	4.0	8.0	0.15	0.2	0.4	2-86	A01	ap	23.95
PSC-2-5	10-1400	28	18	22	17	24	17	0.3	0.6	0.6	1.0	0.9	1.6	2.0	3.0	4.0	0.15	0.2	0.4	2-29	A01	ap	29.95
PSC-2-11	5-2000	21	16	22	18	19	9	0.5	0.8	0.6	0.9	0.7	1.5	1.0	3.0	6.0	0.20	0.4	1.0	—	A01	ap	34.95
PSC-2-45	700-900			30	17					0.2	0.4				3.0			0.2	—	2-86	A01	ap	22.95
PSC-2-1000	400-1000			35	25					0.5	1.0				2.0			0.3	—	—	A06	ap	22.95
■ PSC-2-1-75	0.25-300	20	15	30	20	20	15	0.4	0.75	0.4	0.75	0.4	1.0	2.0	3.0	5.0	0.15	0.2	0.3	2-87	A01	ap	13.45
■ PSC-2-1-75A*	1-200	35	27	46	35	36	25	0.1	0.3	0.2	0.4	0.35	0.6	1.0	1.0	2.0	0.1	0.15	0.15	2-97	A06	ap	14.45
■ PSC-2-1V-75	40-450			31	27					0.5	1.0				4.0			0.3	—	2-96	A01	ap	14.45
■ PSC-2-1W-75**	30-600	30	22	—	—	30	20	0.4	0.8	—	—	0.6	1.2	2.0	—	4.0	0.2	—	0.3	2-97	A06	ap	18.95
✦ PSC-2-2-75	0.008-60	35	20	40	25	30	22	0.1	0.4	0.15	0.4	0.3	0.8	1.0	1.0	1.0	0.15	0.15	0.15	2-96	A01	ap	23.95
■ PSC-2-4-752	10-850	31	20	32	23	23	15	0.3	0.5	0.4	0.6	0.5	1.0	2.0	5.0	10.0	0.1	0.2	0.5	2-88	A01	ap	23.95
■ PSC-2375	55-85			35	25					0.3	0.5			1.0				0.1		2-87	A01	ap	23.95

L = low range ( $f_L$  to  $10 f_L$ )

M = mid range ( $10 f_L$  to  $f_U/2$ )

U = upper range ( $f_U/2$  to  $f_U$ )

#### NOTES:

- Surface-mount, non-hermetic, available on tape and reel
- ⊙ When only specification for M range given, specification applies to entire frequency range.
- ✦ At low range frequency band ( $f_L$  to  $10 f_L$ ), linearly derate maximum input power by 13 dB.
- Denotes 75 Ohm model, for coax connector models 75 Ohm BNC connectors are standard.
- \* VSWR typical 1.1:1 over total range of frequency, max 1.2:1 for low and upper range, max 1.15:1 for mid range.
- \*\* VSWR low range 1.1:1 typical, 1.3:1 max; upper range 1.15:1 typical, 1.25:1 max.
- A. General Quality Control Procedures, Environmental Specifications, Hi-Rel, MIL and TX description are given in section 0, see "Mini-Circuits Guarantees Quality" article.
- B. Connector types and case mounted options, case finishes are given in section 0, see "Case styles & Outline Drawings".
- C. Prices and specifications subject to change without notice.
- 1. Absolute maximum power, voltage and current ratings:
  - 1a. Matched power rating, 1 Watt except PSC-2-11, 0.5 Watt
  - 1b. Internal load dissipation, 0.125 Watt