



POWER DIVIDERS/COMBINERS (LPD Series)

FEATURES:

- *0.5-40GHz
- *Low Insertion Loss
- *Rugged Construction
- *Economically Priced

APPLICATIONS:

- *Test Benches
- *Power Combining

SPECIFICATIONS:

MODEL NUMBER	Frequency Range (GHz)	Insertion Loss (dB) Max	Isolation (dB) Min	Avg. Power (W) Max	Amplitude Tracking (dB)	Phase Tracking (Degree)	VSWR (In/Out) Max
2-Ways							
LPDU502U302	0.5-1.0	0.3	20	10	+/-0.2	+/-2	1.35:1
LPDU502U502	0.5-2.0	0.5	20	30	+/-0.2	+/-2	1.25:1
LPDU504U502	0.5-4.0	0.5	20	10	+/-0.2	+/-4	1.3:1
LPDU506U802	0.5-6.0	0.8	18	30	+/-0.2	+/-3	1.40:1
LPDU5081002	0.5-8.0	1.0	18	30	+/-0.4	+/-5	1.5:1
LPDU5181502	0.5-18.0	1.5	19	10	+/-0.3	+/-6	1.5:1
LPDU5261902	0.5-26.5	1.9	19	10	+/-0.5	+/-10	1.60:1
LPDU802U402	0.8-2.5	0.4	20	20	+/-0.2	+/-2	1.3:1
LPD0102U302	1.0-2.0	0.35	20	30	+/-0.2	+/-2	1.20:1
LPD0103U302	1.5-3.0	0.3	20	10	+/-0.2	+/-3	1.25:1
LPD0104U502	1.0-4.0	0.5	20	30	+/-0.3	+/-2	1.30:1
LPD01121502	1.0-12.4	1.50	16	30	+/-0.4	+/-6	1.45:1
LPD01181202	1.0-18.0	1.2	17	30	+/-0.4	+/-5	1.5:1
LPD01261602	1.0-26.5	1.6	21	10	+/-0.5	+/-10	1.6:1
LPD01402202	1.0-40.0	2.2	10	-	+/-0.6	+/-6	1.8:1
LPD0204U302	2.0-4.0	0.3	20	10	+/-0.3	+/-3	1.30:1
LPD0208U602	2.0-8.0	0.6	20	30	+/-0.3	+/-4	1.30:1
LPD02181202	2.0-18.0	1.20	16	30	+/-0.3	+/-5	1.50:1
LPD02261402	2.0-26.5	1.4	18	10	+/-0.5	+/-10	1.6:1
LPD0408U502	4.0-8.0	0.5	18	10	+/-0.3	+/-3	1.5:1
LPD0418U802	4.0-18.0	0.8	18	30	+/-0.4	+/-5	1.5:1
LPD0618U702	6.0-18.0	0.7	18	30	+/-0.4	+/-5	1.5:1
LPD0626U702	6.0-26.0	0.75	17	1	+/-0.5	+/-15	1.65:1
LPD06401002	6.0-40.0	1.0	15	10	+/-0.5	+/-15	2.0:1
4-Ways							
LPDU501U604	0.5-1.0	0.6	20	30	+/-0.3	+/-3	1.25:1
LPDU5021004	0.5-2.0	1.0	20	30	+/-0.3	+/-3	1.30:1
LPDU5041104	0.5-4.0	1.1	20	10	+/-0.3	+/-4	1.4:1
LPDU5061804	0.5-6.0	1.8	16	30	+/-0.4	+/-5	1.60:1
LPDU5082204	0.5-8.0	2.2	18	30	+/-0.4	+/-5	1.5:1
LPDU5184004	0.5-18.0	4.0	16	10	+/-1.0	+/-10	1.7:1



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4-Ways							
LPDU5264004	0.5-26.5	4.0	16	10	+/-1.2	+/-15	1.8:1
LPDU802U704	0.8-2.5	0.7	20	30	+/-0.3	+/-6	1.30:1
LPD0102U604	1.0-2.0	0.6	20	30	+/-0.3	+/-3	1.30:1
LPD0104U804	1.0-4.0	0.8	20	30	+/-0.3	+/-4	1.30:1
LPD01122804	1.0-12.4	2.8	16	30	+/-0.5	+/-7	1.60:1
LPD01183004	1.0-18.0	3.0	16	10	+/-0.8	+/-10	1.7:1
LPD01263004	1.0-26.5	3.0	16	10	+/-1.0	+/-15	1.9:1
LPD0204U604	2.0-4.0	0.6	20	10	+/-0.2	+/-5	1.30:1
LPD0206U504	2.0-6.0	0.5	17	10	+/-0.2	+/-1.0	1.5:1
LPD02081204	2.0-8.0	1.2	17	30	+/-0.4	+/-5	1.40:1
LPD02182204	2.0-18.0	2.2	16	30	+/-0.6	+/-10	1.65:1
LPD02262104	2.0-26.5	2.1	16	10	+/-1.0	+/-15	1.9:1
LPD0408U504	4.0-8.0	0.5	19	10	+/-0.4	+/-5	1.40:1
LPD04181604	4.0-18.0	1.6	17	30	+/-0.5	+/-8	1.6:1
LPD06181304	6.0-18.0	1.3	18	30	+/-0.5	+/-8	1.6:1
LPD06402504	6.0-40.0	2.5	16	20	+/-0.7	+/-8	1.6:1
LPD0712U804	7.0-12.4	0.8	17	10	+/-0.4	+/-5	1.35:1
LPD10261604	10.0-26.5	1.6	16	10	+/-0.6	+/-5	1.8:1
LPD10301604	10.0-30.3	1.6	16	10	+/-0.6	+/-10	1.8:1
LPD1218U804	12.0-18.0	0.8	17	10	+/-0.5	+/-5	1.5:1
LPD16181204	16.0-18.0	1.2	15	10	+/-0.3	+/-6	1.7:1
6-Ways							
LPDU501U506	0.5-1.0	0.55	19	10	+/-0.3	+/-4	1.5:1
LPDU701U506	0.75-1.5	0.55	19	10	+/-0.3	+/-4	1.5:1
LPD0102U506	1.0-2.0	0.55	19	10	+/-0.3	+/-5	1.5:1
LPD0103U606	1.5-3.0	0.65	19	10	+/-0.35	+/-5	1.5:1
LPD0204U706	2.0-4.0	0.7	19	10	+/-0.35	+/-6	1.5:1
LPD02081606	2.0-8.0	1.6	17	30	+/-1.0	+/-8	1.4:1
LPD02182506	2.0-18.0	2.5	15	30	+/-0.8	+/-10	2.0:1
LPD0408U906	4.0-8.0	0.9	16	10	+/-0.4	+/-8	1.6:1



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8-Ways							
LPDU5011008	0.5-1.0	1.0	20	10	+/-0.2	+/-1.0	1.25:1
LPDU5021508	0.5-2.0	1.5	20	30	+/-0.4	+/-4	1.4:1
LPDU5041608	0.5-4.0	1.6	20	10	+/-0.25	+/-5	1.5:1
LPDU5062808	0.5-6.0	2.8	16	30	+/-0.3	+/-8	1.6:1
LPDU5186508	0.5-18	6.5	16	30	+/-1.2	+/-15	1.6:1
LPDU8021208	0.8-2.5	1.2	20	30	+/-0.5	+/-5	1.4:1
LPD0102U908	1.0-2.0	0.9	20	10	+/-0.4	+/-4	1.25:1
LPD01041508	1.0-4.0	1.5	20	30	+/-0.4	+/-4	1.4:1
LPD0204U908	2.0-4.0	0.9	20	10	+/-0.4	+/-6	1.3:1
LPD02081808	2.0-8.0	1.8	17	30	+/-0.7	+/-7	1.65:1
LPD02183508	2.0-18.0	3.5	15	30	+/-0.8	+/-10	1.65:1
LPD0408U808	4.0-8.0	0.8	18	10	+/-0.4	+/-6	1.35:1
LPD04182508	4.0-18.0	2.5	15	30	+/-0.6	+/-10	1.80:1
LPD06182108	6.0-18.0	2.1	17	30	+/-0.8	+/-10	1.8:1
LPD07121008	7.0-12.4	1.0	18	30	+/-0.3	+/-5	1.7:1
LPD10262408	10.0-26.5	2.4	16	10	+/-0.7	+/-10	2.0:1
LPD10302408	10.0-30.0	2.4	16	10	+/-0.7	+/-14	2.0:1
LPD12181508	12.0-18.0	1.5	15	10	+/-0.4	+/-6	1.7:1
LPD16181708	16.0-18.0	1.7	14	10	+/-0.4	+/-10	1.8:1
12-Ways							
LPDU501U812	0.5-1.0	0.85	19	10	+/-0.45	+/-6	1.5:1
LPDU701U812	0.75-1.5	0.85	19	10	+/-0.45	+/-6	1.5:1
LPD0102U812	1.0-2.0	0.85	19	10	+/-0.45	+/-7	1.6:1
LPD01031012	1.5-3.0	1.0	19	10	+/-0.5	+/-7	1.6:1
LPD02041012	2.0-4.0	1.0	19	10	+/-0.5	+/-8	1.8:1
LPD02082512	2.0-8.0	2.5	16	30	+/-1.0	+/-7	1.6:1
LPD04081212	4.0-8.0	1.2	16	10	+/-0.7	+/-9	1.8:1
LPD07121612	7.0-12.4	1.6	16	10	+/-0.9	+/-10	1.8:1
LPD08182512	8.0-18.0	2.5	14	30	+/-1.0	+/-10	1.8:1
LPD12182012	12.0-18.0	2.0	14	10	+/-1.2	+/-10	2.0:1



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16-Ways							
LPDU5011216	0.5-1.0	1.2	20	10	+/-0.4	+/-5	1.25:1
LPDU7011216	0.75-1.5	1.2	20	10	+/-0.4	+/-5	1.25:1
LPDU8021716	0.8-2.5	1.7	18	30	+/-0.4	+/-5	1.5:1
LPD01021216	1.0-2.0	1.2	20	10	+/-0.4	+/-6	1.3:1
LPD01031216	1.5-3.0	1.2	20	10	+/-0.4	+/-5	1.3:1
LPD02041516	2.0-4.0	1.5	20	10	+/-0.4	+/-8	1.35:1
LPD04081116	4.0-8.0	1.1	19	10	+/-0.4	+/-8	1.40:1
LPD07121716	7.0-12.4	1.7	16	10	+/-0.4	+/-8	1.40:1
LPD12183016	12.0-18.0	3.0	15	10	+/-0.6	+/-12	2.0:1

NOTE: OTHER FREQUENCIES AND DIVIDERS ARE ALSO AVAILABLE

LTC MICROWAVE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WIHTOUT NOTICE.