

# LPD Splitters

## Trunk Grade Passives

Blonder Tongue's LPD and DCL (found on the following page) Series are precision 2 GHz passives designed for L-Band distribution systems requiring high frequency, high performance components.

The LPD Series consists of 2, 3, 4, 6 and 8 way splitters. Models are available with either a single power passing port or with all ports power passing (diode steered, out to in).

### ○ Features & Benefits

- Professional Trunk Grade
- 10-2150 MHz Bandwidth
- Gold Plated F Connector Squeeze Pins
- Zinc Die Cast Hybrid Case

### ○ Specifications

	Description	Frequency Range MHz	Return Loss dB		Insertion Loss	Out-Out Isolation dB
			IN	OUT		
<b>LPD-2</b> 2 Outputs	1 Port	10 - 40	10	10	4.3	25
	Power Pass	40 - 806	12	12	4.0	25
		950-1450	12	12	5.0	22
		1450-2150	12	12	5.0	22
<b>LPD-2p</b> 2 Outputs	All Ports	10 - 40	8	8	4.3	25
	Power Pass	40 - 806	12	12	4.0	23
	Diode Steered	950-1450	12	12	5.0	22
		1450-2150	10	12	5.5	20
<b>LPD-3p</b> 3 Outputs	All Ports	10 - 40	8	8	6.5	22
	Power Pass	40 - 806	10	10	6.8	20
	Diode Steered	950-1450	10	10	7.5	18
		1450-2150	10	10	9.0	20
<b>LPD-4</b> 4 Outputs	1 Port	10 - 40	8	8	7.8	22
	Power Pass	40 - 806	10	10	7.5	25
		950-1450	10	10	9.0	22
		1450-2150	10	10	9.5	20
<b>LPD-4p</b> 4 Outputs	All Ports	10 - 40	8	8	7.8	22
	Power Pass	40 - 806	10	10	7.8	24
	Diode Steered	950-1450	10	12	8.5	22
		1450-2150	10	10	9.0	20
<b>LPD-6</b> 6 Outputs	1 Port	10 - 40	8	8	11.5	20
	Power Pass	40 - 806	10	10	12.5	24
		950-1450	10	12	13.5	23
		1450-2150	8	10	14.5	20
<b>LPD-6p</b> 6 Outputs	All Ports	10 - 40	8	8	11.5	20
	Power Pass	40 - 806	10	10	12.5	24
	Diode Steered	950-1450	10	12	13.5	23
		1450-2150	8	10	14.5	20
<b>LPD-8</b> 8 Outputs	1 Port	10 - 40	8	8	11.5	25
	Power Pass	40 - 806	10	10	12.5	25
		950-1450	10	12	13.5	25
		1450-2150	8	10	14.5	20
<b>LPD-8p</b> 8 Outputs	All Ports	10 - 40	8	8	11.5	25
	Power Pass	40 - 806	10	10	12.5	25
	Diode Steered	950-1450	10	12	13.5	25
		1450-2150	8	10	14.5	20

LPD-2



LPD-3P



LPD-4



LPD-6



LPD-8



### ○ Ordering Information

Model	Stock No.	Description	Model	Stock No.	Description
LPD-2	6405	Splitter, 2 Way 10-2150 MHz, 1 Port Power Passing	LPD-6	6413	Splitter, 6 Way 10-2150 MHz, 1 Port Power Passing
LPD-2P	6409	Splitter, 2 Way 10-2150 MHz, All Ports Power Passing	LPD-6P	6422	Splitter, 6 Way 10-2150 MHz, All Ports Power Passing
LPD-3P	6410	Splitter, 3 Way 10-2150 MHz, All Ports Power Passing	LPD-8	6415	Splitter, 8 Way 10-2150 MHz, 1 Port Power Passing
LPD-4	6411	Splitter, 4 Way 10-2150 MHz, 1 Port Power Passing	LPD-8P	6435	Splitter, 8 Way 10-2150 MHz, All Ports Power Passing
LPD-4P	6412	Splitter, 4 Way 10-2150 MHz, All Ports Power Passing			

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[www.multicominc.com](http://www.multicominc.com)  
[multicom@multicominc.com](mailto:multicom@multicominc.com)

# DCL Directional Couplers

Trunk Grade Passives

The DCL Series are directional couplers and are available in 1, 2 and 4 port models. All DCL Series have power passing capability on the through line (in/out ports) with tap port(s) DC blocked.

## ○ Features & Benefits

- Professional Trunk Grade
- 10-2150 MHz Bandwidth
- Gold Plated F Connector Squeeze Pins
- Zinc Die Cast Hybrid Case

## ○ Specifications

1 Port



2 Port



4 Port



### 1 Port Directional Couplers

	Tap Value	Frequency Range	Insertion		Isolation		Return Loss		
			In-Out	In-Tap	Out-Tap	Port-Port	In	Out	
DCL-108	8	10 - 950	2.5	8	20	-	13	18	12
		950 - 1450	2.7	8.5	18	-	13	18	12
		1450 - 2150	4.5	8.5	16	-	10	18	12
DCL-112	12	10 - 950	1.3	11.5	20	-	14	18	14
		950 - 1450	1.5	12	19	-	14	18	14
		1450 - 2150	2.5	12.5	16	-	10	18	12
DCL-116	16	10 - 950	1.5	15	24	-	14	18	14
		950 - 1450	1.5	15	23	-	14	18	14
		1450 - 2150	2.5	16	20	-	10	13	12
DCL-120	20	10-950	1.5	19	28	-	14	18	12
		950 - 1450	2.0	19	28	-	14	18	12
		1450 - 2150	2.5	20	25	-	10	11	11
DCL-124	24	10-950	1.4	24	28	-	15	18	12
		950 - 1450	1.5	24	28	-	15	18	12
		1450 - 2150	2.3	24	26	-	10	11	11
DCL-128	28	10-950	1.4	28	32	-	15	18	14
		950 - 1450	1.5	28.5	30	-	15	18	14
		1450 - 2150	2.4	28.5	28	-	10	11	12

### 2 Port Directional Couplers

DCL-212	12	10 - 950	2.2	12	25	20	16	15	11
		950 - 1450	2.5	12	28	17	16	15	11
		1450 - 2150	4.1	13	20	15	12	15	11
DCL-216	16	10 - 950	1.3	15	26	20	16	16	12
		950 - 1450	1.8	16	28	17	16	16	12
		1450 - 2150	3.7	17	22	15	10	16	12
DCL-220	20	10 - 950	1.5	19	28	20	16	16	14
		950 - 1450	1.5	20	28	17	16	16	14
		1450 - 2150	2.3	21	26	17	10	12	13
DCL-224	24	10 - 950	1.3	23	30	20	16	17	15
		950 - 1450	1.3	23	30	18	16	17	15
		1450 - 2150	2.0	25	30	18	11	14	11
DCL-228	28	10 - 950	1.3	27	30	22	16	17	14
		950 - 1450	1.3	28	30	18	16	17	14
		1450 - 2150	2.0	28.5	30	18	11	15	12

### 4 Port Directional Couplers

DCL-412	12	10 - 950	5.0	13	28	30	10	13	12
		950 - 1450	4.6	12	28	19	10	13	12
		1450 - 2150	5.5	14	26	14	10	10	12
DCL-416	16	10 - 950	2.4	16	30	30	12	15	12
		950 - 1450	3.0	16	28	26	12	15	12
		1450 - 2150	5.0	17	26	22	10	10	12
DCL-420	20	10 - 950	1.3	20	30	24	12	15	14
		950 - 1450	1.5	20	28	28	12	15	14
		1450 - 2150	2.1	22	23	30	14	12	12
DCL-424	24	10 - 950	1.3	24	33	26	12	15	16
		950 - 1450	1.5	24	33	25	12	15	16
		1450 - 2150	2.1	25	28	21	12	14	16

## ○ Ordering Information

Model	Stock No.	Description
DCL-1XX	6426	Directional Tap, 1 Output 10-2150 MHz, Power Passing Thru Pt, Values: 8, 12, 16, 20, 24, 28 dB
DCL-2XX	6431	Directional Tap, 2 Output 10-2150 MHz, Power Passing Thru Pt, Values: 12, 16, 20, 24, 28 dB
DCL-4XX	6436	Directional Tap, 4 Output 10-2150 MHz, Power Passing Thru Pt, Values: 12, 16, 20, 24 dB

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