

**Main Line Splitters, Directional Couplers, and Power Inserters  
750MHz**



**Features:**

- 5 MHz to 750 MHz bandwidth
- 360 aluminum alloy housing with double polyurethane coating
- Neoprene weather gasket
- RFI gasket
- Printed circuit board
- Suitable for aerial or pedestal installation
- Output legs have shorting bars to disable power
- Rotational seizure mechanism for easy installation

**Specifications: DC-2  
Mainline Splitter**

	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-750 MHz
Insertion Loss (dB max)	3.8	3.9	4.0	4.2	4.2	4.8
Tap-Tap Isolation (dB min)	23	28	28	28	28	25
Return Loss (dB min)	16	19	20	20	18	18
Hum Modulation @ 10 Amps	60	70	70	67	64	64

**Specifications: DC-3  
Mainline Splitter**

	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-750 MHz
Insertion Loss Ports 2,3 (dB max)	7.3	7.2	7.3	7.4	7.6	8.0
Insertion Loss Port 4 (dB max)	3.8	3.9	4.0	4.2	4.5	4.8
Tap-Tap Isolation (dB min)	23	26	27	27	25	23
Return Loss (dB min)	17	18	18	20	18	18
Hum Modulation @ 10 Amps	60	70	70	67	64	64

**600 MHz ALSO AVAILABLE**

**Main Line Splitters, Directional Couplers, and Power Inserter  
750 MHz (Specifications Continued)**

**Specifications: DC-8  
Mainline Directional Tap 8dB**

	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-750 MHz
Insertion Loss (dB max)	1.4	1.7	1.8	2.0	2.3	2.7
Tap Value Loss Tolerance	±1.0	±1.0	±1.0	±1.0	±1.0	±1.2
Tap-Tap Isolation (dB min)	23	26	28	28	28	25
Return Loss (In/Out/Tap)	17	18	18	20	18	18
Hum Modulation @ 10 Amps	60	70	70	67	64	64

**Specifications: DC-12  
Mainline Directional Tap 12dB**

	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-750 MHz
Insertion Loss (dB max)	1.1	1.0	1.2	1.3	1.6	1.9
Tap Value Loss Tolerance	±1.0	±1.0	±1.0	±1.0	±1.0	±1.5
Tap-Tap Isolation (dB min)	23	26	28	28	28	25
Return Loss (dB min)	17	18	18	20	18	18
Hum Modulation @ 10 Amps	60	70	70	67	64	64

**Specifications: DC-16  
Mainline Directional Tap 16dB**

	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-750 MHz
Insertion Loss (dB max)	0.9	1.0	1.0	1.2	1.5	1.7
Tap Value Loss Tolerance	±1.0	±1.0	±1.0	±1.0	±1.0	±1.5
Tap-Tap Isolation (dB min)	23	26	28	28	28	25
Return Loss (dB min)	17	18	18	20	18	18
Hum Modulation @ 10 Amps	60	70	70	67	64	64

**Specifications: DCPI  
Mainline Power Inserter**

	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-750 MHz
Insertion Loss (dB max)	1.0	1.0	1.0	1.2	1.2	1.5
Tap-Tap Isolation (dB min)	60	60	60	60	57	53
Return Loss (In/Out/Tap)	15	19	20	20	18	16
Hum Modulation @ 10 Amps	60	60	60	60	60	60
Power Rating	15 Amps					