

**Main Line Splitters, Directional Couplers, and Power Inserters
1 GHz**



Features:

- 5 MHz to 1 GHz bandwidth
- 360 aluminum alloy housing with double polyurethane coating
- Neoprene weather gasket
- RFI gasket
- Printed circuit board
- Suitable for aerial or pedestal installation
- Rotational seizure mechanism for easy installation
- Output legs have shorting bars to disable power

**Specifications: DC-2
Mainline Splitter**

	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-900 MHz	901-1000 MHz
Insertion Loss (dB max)	3.7	4.0	3.9	3.9	3.8	3.9	4.2
Isolation (dB min)	23	25	25	23	23	23	20
Return Loss (dB min)	16	19	20	20	18	17	16
Hum Modulation @ 10 Amps (dB min)	60	64	64	64	64	64	64

**Specifications: DC-3
Mainline Splitter**

	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-900 MHz	901-1000 MHz
Insertion Loss Ports 2,3 (dB max)	7.3	7.4	7.5	7.5	7.4	7.8	8.5
Insertion Loss Port 4 (dB max)	3.8	4.0	4.0	4.0	4.0	3.9	4.1
Isolation (dB min)	23	25	25	23	23	23	20
Return Loss (dB min)	16	19	20	20	18	17	16
Hum Modulation @ 10 Amps (dB min)	60	64	64	64	64	64	64

600 MHz & 750MHz ALSO AVAILABLE

**Main Line Splitters, Directional Couplers, and Power Inserter
1 GHz (Specifications Continued)**

Specifications: DC-8 Mainline Directional Tap 8dB	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-900 MHz	901-1000 MHz
Insertion Loss (dB max)	2.5	2.7	2.8	2.9	3.2	3.7	4.1
Tap Value Loss Tolerance	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.2	± 1.3
Tap-Tap Isolation (dB min)	23	26	26	24	21	18	18
Return Loss (In/Out/Tap)	15	19	20	20	18	17	16
Hum Modulation @ 10 Amps (dB min)	60	64	64	64	64	64	64

Specifications: DC-12 Mainline Directional Tap 12dB	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-900 MHz	901-1000 MHz
Insertion Loss (dB max)	2.0	2.0	2.1	2.4	2.5	2.9	3.5
Tap Value Loss Tolerance	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.2	± 1.3
Tap-Tap Isolation (dB min)	23	26	26	24	21	18	18
Return Loss (dB min)	15	19	20	20	18	17	16
Hum Modulation @ 10 Amps (dB min)	60	64	64	64	64	64	64

Specifications: DC-16 Mainline Directional Tap 16dB	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-900 MHz	901-1000 MHz
Insertion Loss (dB max)	1.7	2.0	2.1	2.4	2.5	2.9	3.5
Tap Value Loss Tolerance	± 1.0	± 1.0	± 1.0	± 1.0	± 1.0	± 1.2	± 1.3
Tap-Tap Isolation (dB min)	23	26	26	24	21	18	18
Return Loss (dB min)	15	19	20	20	18	17	16
Hum Modulation @ 10 Amps (dB min)	60	64	64	64	64	64	64

Specifications: DCPI Mainline Power Inserter	5-50 MHz	51-300 MHz	301-400 MHz	401-500 MHz	501-600 MHz	601-900 MHz	901-1000 MHz
Insertion Loss (dB max)	1.0	1.0	1.0	1.2	1.2	1.5	1.5
Tap-Tap Isolation (dB min)	60	60	60	60	57	53	53
Return Loss (In/Out/Tap)	15	19	20	20	18	16	16
Hum Modulation @ 10 Amps (dB min)	60	64	64	64	64	64	64
Power Rating	15 Amps						