Features and Benefits

2150 MHz Satellite/CATV Diplex Filter
SDP1000B

This Antronix satellite diplexer combines satellite and cable TV signals on one coaxial cable and separates them on the other end. It allows the installer to use the existing coaxial cable in the home for both cable TV and satellite signals without having to re-wire a separate feed.

The SD1P1000B diplex passes the 950-2150 MHz satellite frequency band on its SAT port and passes the 5-860 MHz frequency band on its CATV port with excellent isolation between the bands The power passing DC feeds power to the satellite LNB.

- **6 kV Ring Wave Surge Withstand**
  All ports withstand multiple 6 kV ring wave surges per IEEE specification C62.41 Category A3.
- **Eclipse Contact Technology (ECT) F-port**
  Provides 400% more contact surface area for lower contact resistance and higher reliability.
- **Zinc Alloy Diecast Housing w/ 100% Soldered Backplate**
  Superior corrosion resistant tin plating with repeatable RFI shielding.
- **Flat 15 psi sealed**
  Prevents water migration into the splitter.
- **Integrated Mounting Tabs and Heavy Duty Ground Block**
  Ease of installation and years of reliable service.

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ANTRONIX®

Specifications
SDP1000B

Specification	Freq (MHz)	Max/Min	Typ
Insertion Loss			
Common to CATV (dB)	5-550	≤ 2.0	≤ 0.6
	550-860	≤ 2.0	≤ 1.5
Common to SAT (dB)	950-1650	≤ 2.0	≤ 1.2
	1650-2150	≤ 2.0	≤ 1.5
Stopband Attenuation			
Common to CATV (dB)	950-1650	≥ 35	≥ 40
	1650-2150	≥ 35	≥ 40
Common to SAT (dB)	5-15	≥ 30	≥ 35
	15-860	≥ 35	≥ 40
Isolation			
CATV to SAT (dB)	5-15	≥ 30	≥ 35
	15-860	≥ 35	≥ 40
	950-2150	≥ 35	≥ 40
Return Loss			
Common (dB)	5-860	≥ 14	≥ 15
	860-2150	≥ 13	≥ 14
CATV (dB)	5-550	≥ 14	≥ 15
	550-860	≥ 14	≥ 15
SAT (dB)	950-1650	≥ 13	≥ 14
	1650-2150	≥ 13	≥ 14

General	
Nominal Impedance	75Ω
Power Pass	50 VDC, 1.65 amps
F-connector Type	SCTE Compliant ECT F-port

Environmental	
Operating Temperature	-40°C to +60°C
Surge Withstand	6 kV Ring Wave Surge, IEEE C62.41 Cat. A3
Corrosion Resistance	ANSI/SCTE-143 salt spray for 1000 hours

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