Features and Benefits

ANTRONIX®

1.2 GHz MDU Splitter
CMC4000H

Antronix's extended bandwidth 1.2 GHz digital horizontal splitters are engineered for robust service in the most demanding Multiple Dwelling Unit (MDU) architectures requiring multiple service outlets. The 8-12 and 16-port devices provide the speed and data capacity to 1.2 GHz. Every port on each CMC4000H splitter is 6 kV ring wave surge protected, while our proprietary ferrites remain ultralinear following several surges. The CMC4000H series digital splitters employ high "Q" surface mount technology (SMT) components, guaranteeing consistent performance over time and temperature. They are our standard multi-port splitter housing for uniformed network installation. antronix.com Specifications subject to change without notice.

- **Flat 1.2 GHz Bandwidth with Minimal Insertion Loss**
  Supports present and future multimedia applications including video, data and telephony.
- **6 kV Ring Wave Surge Protected**
  All ports are protected against multiple 6 kV ring wave surges per IEEE specification C62.41 Category A3.
- **-45 dBmV Spurious and Harmonics after 5 Surges of 6 kV Ring Wave with a +55 dBmV Return Signal**
  Proprietary ferrite blend inhibits re-magnetization of the core due to voltage spikes from impulse noise or lightning. The ferrite remains ultra linear to prevent intermodulation where high level return carriers can affect forward path video signals.
- **Digital Broadcast and HDTV Ready**
  Compatible with existing and future networks.
- **Flat 1 GHz Bandwidth with Minimal Insertion Loss**
  Supports present and future multimedia applications including video, data and telephony.
- **35 dB Return Path Output Return Loss and 40 dB Port-to-Port Return Band Isolation**
  Excellent return path performance compatible with two-way digitally modulated networks.
- **Eclipse Contact Technology (ECT) F-port**
  Provides 400% more contact surface area for lower contact resistance and higher reliability.
- **Capacitively Coupled F-ports**
  Protects against core re-magnetization and saturation while blocking AC surges.
- **Zinc Alloy Diecast Housing and Backplate w/Proprietary Nickel Alloy Plating**
  Superior corrosion resistant plating combined with a diecast backplate protects the back of the housing where corrosion is more prominent.
- **100% Soldered Back**
  Ensures repeatable 120 dB RFI shielding.
- **1 inch Port-to-Port Spacing Flat 15 psi Sealed, SCTE Compliant F-port**
  Prevents water migration in to the splitter and ensures an excellent ground connection.
- **UV Resistant Label**
- **Integrated Mounting Tabs and Heavy Duty Ground Block for Years of Reliable Service**

440 Forsgate Drive, Cranbury, NJ 08512 • T: 609.860.0160 • F: 609.860.1687 • antronix.com

ANTRONIX®

Specifications
CMC4000H

Model#		CMC4008HB		CMC4012H		CMC4016H	
Specification	**Frequency** (MHz)	**Max/Min**	**Typ**	**Max/Min**	**Typ**		
Insertion Loss dB(max)	5-10	10.0 ± 0.5	10.0 ± 0.4	13.0 ± 0.5	13.0 ± 0.4	13.0 ± 0.5	13.5 ± 0.4
	10-50	10.5 ± 1.0	10.5 ± 0.8	13.0 ± 0.5	13.0 ± 0.4	13.0 ± 0.5	13.5 ± 0.4
	50-450	10.5 ± 1.5	10.5 ± 0.8	14.0 ± 1.5	14.0 ± 1.0	14.0 ± 1.5	14.5 ± 1.0
	450-750	10.5 ± 1.5	10.5 ± 0.8	14.5 ± 1.5	14.5 ± 1.0	14.5 ± 1.5	14.5 ± 1.0
	750-1002	11.0 ± 1.5	11.0 ± 1.0	15.0 ± 1.5	15.0 ± 1.2	15.0 ± 1.5	15.0 ± 1.2
	1002-1218	11.8 ± 1.5	11.8 ± 1.2	15.8 ± 1.5	15.5 ± 1.2	15.8 ± 1.5	15.5 ± 1.2
Isolation dB(min)	5-10	22	24	21	23	21	23
	10-50	24	26	24	26	24	26
	50-450	24	26	24	26	24	26
	450-750	22	24	24	26	24	26
	750-1002	21	23	21	23	21	23
	1002-1218	20	21	20	21	20	21
Input Return Loss dB(min)	5-10	18	20	18	20	18	20
	10-50	20	22	18	20	18	20
	50-450	18	20	18	20	18	20
	450-750	18	20	18	20	18	20
	750-1002	18	20	18	20	18	20
	1002-1218	18	20	18	20	18	20
Output Return Loss dB(min)	5-10	18	20	18	20	18	20
	10-50	20	22	18	20	18	20
	50-450	18	20	20	22	20	22
	450-750	18	20	20	22	20	22
	750-1002	18	20	20	20	20	20
	1002-1218	18	20	18	20	18	20
RFI Isolation dB(min)	5-1002	120					
	1002-1218	115					

General	
Temperature Range	-23°C to +70°C
The Second Harmonics	-60 dbmV measured with a 55 dbmV return input carrier
Surge Protection	6 kV Ring Wave Surge (IEEE C62.41 Cat. A3)
Water Proof Test (min)	15 psi
Nominal Impedance	75 Ω

440 Forsgate Drive, Cranbury, NJ 08512 • T: 609.860.0160 • F: 609.860.1687 • antronix.com