

Features and Benefits

ANTRONIX®

1 GHz Wall Plate Mini Splitters CMC2002TCA/LCA Series

Specifically designed for Wall Plate applications, Antronix CMC2002TCA and CMC2002LCA mini wall splitters have all the premium performance and reliability features of our most popular CMC2000H-A series 1 GHz Splitters in a mini housing for easy mounting behind wall plates.

Available in T style Horizontal port configurations or L style Vertical port orientation.

- **6 kV Ring Wave Surge Protected**

The input port is rated for 6 kV combination wave surges while all ports are rated for 6 kV ring wave surges.

- **Excellent Distortion Performance**

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 such as VoIP and DOCSIS 3.0.

- **Flat 1 GHz Bandwidth with Minimal Insertion Loss**

Supports present and future multimedia applications including voice, video and data.

- **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.

- **Flat 15 psi Sealed, SCTE Compliant F-ports**

Prevents water migration, while meeting SCTE standards.

- **UV Resistant Label**

- **Integrated Mounting Tabs**

- The T-type housing incorporates the mounting tab.

- **75Ω Nominal Impedance**



Electrical Specifications

CMC2002TCA/LCA Series

Model #CMC2002TC-A			
Specification	Freq (MHz)	Max-Min	Typ
Insertion Loss			
Maximum (dB)	5-14	3.5	3.3
	15-40	3.5	3.3
	41-200	3.6	3.3
	201-550	3.7	3.5
	551-750	4.0	3.8
	751-1002	4.0	4.0
Isolation			
Minimum (dB)	5-14	24	30
	15-40	35	40
	41-65	30	38
	66-550	25	35
	551-750	25	30
	751-1002	22	28
Input Return Loss			
Minimum (dB)	5-14	20	22
	15-40	25	30
	41-65	23	30
	66-550	20	28
	551-750	20	25
	751-1002	18	22
Output Return Loss			
Minimum (dB)	5-14	20	25
	15-40	35	40
	41-65	25	38
	66-550	22	28
	551-750	20	25
	751-1002	18	22
RFI			
Minimum (dB)	5-1002	120	

Model #CMC2002LC-A			
Specification	Freq (MHz)	Max-Min	Typ
Insertion Loss			
Maximum (dB)	5-14	3.5	3.3
	15-40	3.5	3.3
	41-200	3.6	3.3
	201-550	3.7	3.5
	551-750	3.8	3.7
	751-1002	4.2	3.8
Isolation			
Minimum (dB)	5-14	24	30
	15-40	35	40
	41-65	30	38
	66-550	25	35
	551-750	25	30
	751-1002	22	28
Input Return Loss			
Minimum (dB)	5-14	20	22
	15-40	25	30
	41-65	23	30
	66-550	20	28
	551-750	20	25
	751-1002	20	25
Output Return Loss			
Minimum (dB)	5-14	20	25
	15-40	35	40
	41-65	25	38
	66-550	22	28
	551-750	20	25
	751-1002	20	25
RFI			
Minimum (dB)	5-1002	120	

Specifications

CMC2002TCA/LCA Series

GENERAL	
Impedance	75 Ω
Water Proof Test (min)	15 psi
Surge Protection	Input Port—IEEE C62.41–1991 Category B3 Combination Wave 6 KV, 3 KA Output Port(s) 6 KV Ring Wave Surge, IEEE C62.41 Cat A3
Spurious Signals Including 2 nd Harmonics	-45 dBmV, after 6 KV Ring Wave Surge Measuring with a 55 dBmV Return Input Carrier

Physical			
Dimensions (Tol. ± 0.5 mm)	Length (mm)	Width (mm)	Depth (mm)
Model			
CMC2002LC-A	1.7 (43.0)	1.6 (39.5)	1.1 (29.2)
CMC2002TC-A	1.8 (45.9)	2.1 (52.3)	0.6 (14.4)