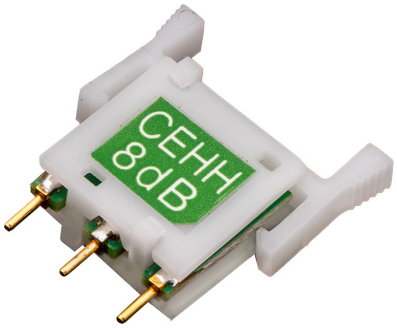
Features and Benefits

ANTRONIX®

CEHH

2.0 GHz E-Option Plug-In Conditioners

Antronix 2.0 GHz MHT series multi-taps accommodate a variety of plug-in modules that provide signal conditioning in either the downstream or upstream for optimum system performance. E-Option allows each tap location to be conditioned individually, affecting only the tap ports without impacting the through insertion loss. E-Option solves design challenges such as high/low passive return loss, negative/positive tilt compensation, return path ingress and noise reduction.



- **Compact Size**
  One plug-in affects all tap ports equally while not affecting the through port.
- **Compatible with Antronix 2.0 GHz MHT Milenium NXT 2.0 series Multi-taps**
- **High-Split Upstream Cable Equalizers (CEHH)**
- **Does not affect the through path of the Multi-tap**

- **Advantages:**

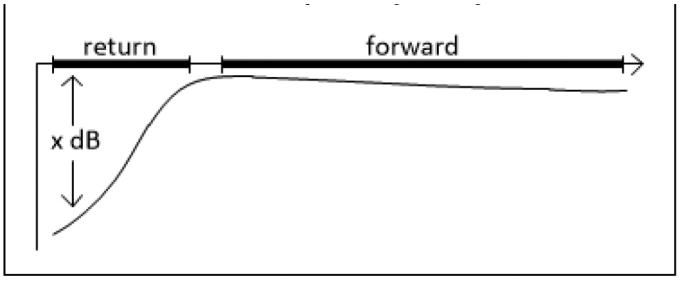
  The CEHH is used to equalize the upstream response without affecting the downstream.

  It adds attenuation in the return path allowing modems to operate at a higher output and lowers the noise and ingress coming from the customer's premise, thus achieving a greater signal to noise/ingress ratio in the network.

  It conditions the tap ports for the correct signal levels for proper set top operation and to meet FCC specifications.

  It is available in a variety of values to meet your needs.

CEHH-xx Frequency Response



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Electrical Specifications
2.0 GHz E-Option Plug-In Conditioners

		CEHH-02	CEHH-04	CEHH-06	CEHH-08	CEHH-10	CEHH-12
Bandwidth (MHz)		5-2000					
Cable Equalizer (dB)		2.0	4.0	6.0	8.0	10.0	12.0
Insertion Loss (dB Typ)	5	2.6	3.9	6.0	7.8	10.0	11.8
	20	2.5	3.8	5.7	7.5	9.5	11.0
	50	2.1	3.3	4.7	6.1	7.6	8.3
	108	1.3	2.1	2.6	3.4	4.0	4.4
	158	0.8	1.4	1.5	1.9	2.1	2.3
	204	0.5	0.9	0.9	1.1	1.1	1.3
	258	0.3	0.5	0.5	0.6	0.6	0.8
	300	0.2	0.3	0.3	0.4	0.4	0.5
	396	0.2	0.1	0.2	0.2	0.2	0.3
	450	0.1	0.1	0.1	0.1	0.1	0.2
	550	0.2	0.2	0.2	0.1	0.2	0.2
	750	0.3	0.4	0.4	0.3	0.3	0.3
	870	0.3	0.4	0.4	0.4	0.4	0.4
	1002	0.4	0.5	0.5	0.5	0.5	0.5
	1218	0.5	0.6	0.7	0.7	0.8	0.8
	1600	0.7	0.9	0.9	1.0	1.1	1.1
	1794	0.7	0.9	0.9	1.1	1.2	1.2
	2000	0.8	1.0	1.0	1.3	1.3	1.4

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		CEHH-02	CEHH-04	CEHH-06	CEHH-08	CEHH-10	CEHH-12
Bandwidth (MHz)		5-2000					
Cable Equalizer (dB)		2.0	4.0	6.0	8.0	10.0	12.0
Insertion Loss (dB Max)	5	3.0	4.5	6.5	8.5	10.5	12.3
	20	2.8	4.2	6.0	8.0	10.0	11.6
	50	2.5	3.6	5.2	6.7	8.3	9.2
	108	1.6	2.5	3.1	4.0	4.6	5.3
	158	1.1	1.8	1.9	2.4	2.5	3.0
	204	0.8	1.3	1.3	1.6	1.6	2.0
	258	0.8	1.0	1.0	1.0	1.1	1.1
	300	0.8	1.0	1.0	1.0	1.0	1.0
	396	0.8	1.0	1.0	1.0	1.0	1.0
	450	0.8	1.0	1.0	1.0	1.0	1.0
	550	0.8	1.0	1.0	1.0	1.0	1.0
	750	0.8	1.0	1.0	1.0	1.0	1.0
	870	0.8	1.0	1.0	1.0	1.0	1.0
	1002	0.8	1.0	1.0	1.0	1.0	1.0
	1218	1.0	1.1	1.1	1.2	1.2	1.2
	1600	1.3	1.3	1.3	1.4	1.4	1.4
	1794	1.5	1.5	1.5	1.5	1.6	1.6
	2000	1.5	1.5	1.5	1.5	1.6	1.6
Return Loss (dB Min)	5-1002	18	18	18	18	18	18
	1002-1218	18	18	18	18	18	18
	1218-1794	15	15	15	15	15	15
	1794-2000	15	15	15	15	15	15

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