

1.2 GHz Outdoor Multitaps with Cable Equalizer

LEXMT-X-XX/YY-EQX SERIES

LINDSAY
BROADBAND

Lindsay's LEXMT-x-xx/yy-EQx series of taps has been designed with the future of the CATV industry in mind. The cable equalizer (EQ) option allows for the more efficient use of high value taps by having a greater loss at higher frequencies and a lower loss in the lower frequencies. This feature is available in three forward path tap values: 26, 29, 32 dB, and three return path tap values: 17, 20, 23 dB. All units come complete with a factory-installed power passing bar for uninterrupted service when the faceplate is removed. Interchangeable faceplates allow for future network growth while minimizing costly equipment upgrades for cable providers. All taps are backed by a one year limited warranty.



2, 4, & 8-port Multitaps
(front views)

FEATURES

- Supports DOCSIS® 3.1 expanded bandwidth up to 1218 MHz
- 10 A current capacity
- Aluminum alloy housing for corrosion resistance
- Neoprene weather gasket & RFI shielding at 120 dB
- Blocking capacitors on the F-ports for extended surge resistance
- Epoxy-sealed & nickel plated brass F-ports
- Double polyurethane coating for greater weather protection
- Optional 2 or 4 ports on 8-port plate
- Power passing CB: continuous through signal without faceplate
- Easily interchangeable 2/4 port faceplates
- Aerial or pedestal installation for outdoor use
- Compliant with SCTE guidelines
- Flatness In/Out: ± 0.5
- Connector: 5/8" - 24 NEF female for In/Out
- Surge Withstand: IEEE C62.41-1991 Category B3/6 kV Combination Wave, 3000 A

SPECIFICATIONS

Parameter	Specification								
	2-Port			4-Port			8-Port		
Insertion Loss (dB)	xx/17	xx/20	xx/23	xx/17	xx/20	xx/23	xx/17	xx/20	xx/23
5-42 MHz	1.3	1.0	1.0	1.5	1.3	1.0	2.2	1.3	1.0
42-400 MHz	1.6	1.3	1.0	1.9	1.5	1.0	2.2	1.8	1.2
400-750 MHz	1.8	1.5	1.5	2.1	1.8	1.5	2.7	2.1	1.6
750-1002 MHz	2.1	1.9	1.8	2.4	2.1	1.9	3.1	2.4	2.0
1002-1218 MHz	2.3	2.1	2.1	2.6	2.3	2.1	3.3	2.6	2.5

Parameter	Specification ⁽¹⁾								
	2-Port			4-Port			8-Port		
Tap Value (dB)	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)	26/17 (EQ-9)	29/17 (EQ-12)	32/17 (EQ-15)
5-42 MHz	16.7	16.7	16.8	17.1	17.2	17.3	16.5	16.6	16.8
42-400 MHz	19.9	20.9	22.2	20.5	21.5	22.5	20.1	21.1	22.2
400-750 MHz	22.4	24.2	26.1	22.8	24.6	26.3	22.5	24.3	26.1
750-1002 MHz	24.4	26.8	29.3	24.5	27.0	29.4	24.4	26.8	29.3
1002-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0
Tap Value (dB)	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)	26/20 (EQ-6)	29/20 (EQ-9)	32/20 (EQ-12)
5-42 MHz	19.7	19.7	19.8	20.1	20.3	20.3	29.5	19.6	19.8
42-400 MHz	22.2	23.3	24.3	22.5	23.6	24.7	22.1	23.2	24.3
400-750 MHz	23.8	25.7	27.5	24.0	25.9	27.7	23.7	25.6	27.5
750-1002 MHz	25.1	27.5	29.9	25.1	27.6	30.0	25.0	27.5	29.9
1002-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0



SPECIFICATIONS CONT'D.

Parameter	Specification ⁽¹⁾								
	2-Port			4-Port			8-Port		
Tap Value (dB)	26/23 (EQ-3)	29/23 (EQ-6)	32/23 (EQ-9)	26/23 (EQ-3)	29/23 (EQ-6)	32/23 (EQ-9)	26/23 (EQ-3)	29/23 (EQ-6)	32/23 (EQ-9)
5-42 MHz	22.7	22.7	22.8	23.1	23.2	23.3	22.5	22.6	22.8
42-400 MHz	24.1	25.2	26.4	24.3	25.5	26.7	23.9	25.2	26.4
400-750 MHz	24.9	26.8	28.7	25.0	27.0	28.9	24.8	26.8	28.7
750-1002 MHz	25.5	28.0	30.5	25.6	28.1	30.6	25.5	28.0	30.5
1002-1218 MHz	26.0	29.0	32.0	26.0	29.0	32.0	26.0	29.0	32.0

NOTE:

(1) ±1.5 dB tolerance

Parameter	Specification								
	2-Port			4-Port			8-Port		
Isolation (dB) (Tap-Tap)	26/yy	29/yy	32/yy	26/yy	29/yy	32/yy	26/yy	29/yy	32/yy
5-42 MHz	22.0			22.0			22.0		
42-400 MHz	25.0			25.0			25.0		
400-750 MHz	25.0			25.0			25.0		
750-1002 MHz	22.0			22.0			22.0		
1002-1218 MHz	22.0			22.0			22.0		
Isolation (dB) (Output-Tap)	2-Port			4-Port			8-Port		
	26/yy	29/yy	32/yy	26/yy	29/yy	32/yy	26/yy	29/yy	32/yy
5-42 MHz	28.0			28.0			26.0		
42-400 MHz	33.0			33.0			32.0		
400-750 MHz	30.0			30.0			30.0		
750-1002 MHz	30.0			30.0			30.0		
1002-1218 MHz	27.0			27.0			28.0		

Parameter	Specification	
Return Loss (5-1218 MHz all models)	16 dB	
Hum Modulation	10 A, 5-750 MHz	60 dBc
	10 A, 750-1218 MHz	50 dBc
Environmental & Physical		
Operating Temperature	-40°C to +60°C (-40°F to +140°F)	
Dimensions (H x W x D)	2-Port	2.7"H x 3.5"W x 4.0"D (7.0H x 9.0W x 10.0D cm)
	4-Port	2.7"H x 3.5"W x 4.0"D (7.0H x 9.0W x 10.0D cm)
	8-Port	3.1"H x 5.7"W x 4.7"D (8.0H x 14.5W x 12D cm)
Weight	2-Port	0.65 lb (0.29 kg)
	4-Port	0.70 lb (0.30 kg)
	8-Port	1.05 lb (0.48 kg)



ORDERING INFORMATION

LEXMT	-	# of Tap Ports*	-	Forward Path Option	/	Return Path Option	-	EQ	-	Tap Value
		x		xx		yy				x
		2		26 = 26 dB		17 = 17 dB				3
		4		29 = 29 dB		20 = 20 dB				6
		8		32 = 32 dB		23 = 23 dB				9
		82								12
		84								15

NOTE:

* 82 = 8-port plate with 2 ports; 84 = 8-port plate with 4 ports