

1.2 GHz Line Taps | Type “A”

12 Amp Equalizable 2/4/8 Port Taps



Features & Benefits

- Supports expanded bandwidth, 5 – 1218 MHz frequency range
- 2, 4 port in “narrow” body, 2, 4, 8 port in “wide” body
- Corrosion resistant aluminum alloy with polyurethane finish
- Neoprene weather gasket
- RF shielding to 120 dB
- 12 Amp current capacity
- Power/Signal passing when faceplate is removed
- Interchangeable faceplates within body type
- Accepts plug-in equalizers to condition signal
- 6kV 3000A “combo” wave surge protection



Overview

PPC introduces a new series of line taps to support the cable industry’s bandwidth expansion to 1218 MHz. Form factor compatible with one of the most popular brands, installation of these devices is familiar to installing techs and can be used in both aerial and pedestal applications.

Available configurations in both “narrow” and “wide” body housings. Faceplates are interchangeable among body types:

- Narrow + Wide body: 2 port versions with values from 4 dB (T) to 35 dB
- Narrow + Wide body: 4 port versions with values from 8 dB (T) to 35 dB
- Wide body: 8 port versions with values from 11 dB (T) to 35 dB

All products are protected against electrical surges and can pass the industry’s most challenging 6 kV “combo wave” surge test. These are the reliable products you can deploy today and use for years to come.

Technical Data | All Products

Specification	Value	
Power Passing	12 Ampere, 60/90VAC Input to Output only, No power available at F-ports	
Impedance	75 Ohms	
Mechanical	Construction:	Aluminum with weather resistant polyurethane coating
	Dimensions:	Narrow body: 4.0H x 3.4W x 2.4D inches (102H x 86W x 61D mm) Wide body: 4.4H x 5.2W x 2.4D inches (112H x 132W x 61D mm)
	Ports:	Qty. 2 of 5/8-inch x 24 UNEF-2B female Qty 2, 4 or 8 of female F-ports, depending on model
Environmental	Operating Temp:	-40° F to 140° F (-40° C to 60° C)
	Humidity:	0 to 100% condensing
Surge Withstand	ANSI/SCTE 81 2012, IEEE C62.41-1991 Cat. B3 6kV, 3000A, 1.2 / 50usec to 8 / 20usec Combination Wave	

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Technical Data | Narrow and Wide bodies – 2 Port (PPC-LTAX2-N2* and PPC-LTAX2-W2*)

Parameter	Frequency	Specifications										
		04T	08	11	14	17	20	23	26	29	32	35
Insertion Loss - In/Out in dB: Maximum	5 – 15MHz	T	3.8	2.0	1.3	1.3	1.0	1.0	0.9	0.9	0.9	0.9
	15 – 65MHz	T	3.6	1.6	1.1	1.1	0.8	0.8	0.7	0.7	0.7	0.7
	65 – 300MHz	T	4.0	1.8	1.3	1.2	0.9	0.9	0.9	0.8	0.8	0.8
	300 – 550MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2	1.2
	550 – 750MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3	1.3
	750 – 862MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4	1.4
	862 – 1000MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5	1.5
1000 – 1218MHz	T	5.3	3.4	2.6	2.3	2.1	2.0	2.0	1.8	1.8	1.8	
Insertion Loss – In/any Tap port in dB: Tolerance: +/-2.0dB 5 – 15MHz +/-1.5dB 15 – 860MHz +/-2.0dB 860 – 1218MHz	5 – 1218MHz	4	8	11	14	17	20	23	26	29	32	35
Isolation – Out/Tap Port in dB: Minimum	5 – 30MHz	T	21	21	24	26	27	29	30	32	33	35
	30 – 65MHz	T	27	29	30	32	33	35	36	38	39	41
	65 – 860MHz	T	25	27	28	30	31	33	34	36	37	39
	860 – 1218MHz	T	21	23	24	26	27	29	30	32	33	35
Isolation – Tap Port/Tap Port in dB: Minimum	5 – 30MHz	18	18	18	18	18	18	18	18	18	18	18
	30 – 860MHz	23	23	23	23	23	23	23	23	23	23	23
	860 – 1218MHz	21	21	21	21	21	21	21	21	21	21	21
Return Loss – all ports in dB: Minimum	5 – 15MHz	12	12	12	12	12	12	12	12	12	12	12
	15 – 950MHz	16	16	16	16	16	16	16	16	16	16	16
	950 – 1218MHz	16	16	16	16	16	16	16	16	16	16	16
Hum Modulation – in dBc: @ 12Amps - Minimum	5 – 1218MHz	60	60	60	60	60	60	60	60	60	60	60
RFI Shielding – In dBc: Minimum	5 – 1218MHz	120	120	120	120	120	120	120	120	120	120	120

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1.2 GHz Line Taps | Type “A”

12 Amp Equalizable 2/4/8 Port Taps



Technical Data | Narrow and Wide bodies – 4 Port (PPC-LTAX2-N4* and PPC-LTAX2-W4*)

Parameter	Frequency	Specifications									
		08T	11	14	17	20	23	26	29	32	35
Insertion Loss - In/Out in dB: Maximum	5 – 15MHz	T	3.8	2.4	1.3	1.3	1.0	1.0	0.9	0.9	0.9
	15 – 65MHz	T	3.6	1.8	1.1	1.1	0.8	0.8	0.7	0.7	0.7
	65 – 300MHz	T	4.0	2.0	1.3	1.2	0.9	0.9	0.9	0.8	0.8
	300 – 550MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2	1.2
	550 – 750MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3	1.3
	750 – 862MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4	1.4
	862 – 1000MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5	1.5
1000 – 1218MHz	T	5.3	3.6	2.6	2.3	2.1	2.0	2.0	1.8	1.8	
Insertion Loss – In/any Tap port in dB: Tolerance: +/-2.0dB 5 – 15MHz +/-1.5dB 15 – 860MHz +/-2.0dB 860 – 1218MHz	5 – 1218MHz	8	11	14	17	20	23	26	29	32	35
Isolation – Out/Tap Port in dB: Minimum	5 – 30MHz	T	22	24	26	27	29	30	32	33	35
	30 – 65MHz	T	29	30	32	33	35	36	38	39	41
	65 – 860MHz	T	27	28	30	31	33	34	36	37	39
	860 – 1218MHz	T	23	24	26	27	29	30	32	33	35
Isolation – Tap Port/Tap Port in dB: Minimum	5 – 30MHz	18	18	18	18	18	18	18	18	18	18
	30 – 860MHz	23	23	23	23	23	23	23	23	23	23
	860 – 1218MHz	21	21	21	21	21	21	21	21	21	21
Return Loss – all ports in dB: Minimum	5 – 15MHz	12	12	12	12	12	12	12	12	12	12
	15 – 950MHz	16	16	16	16	16	16	16	16	16	16
	950 – 1218MHz	16	16	16	16	16	16	16	16	16	16
Hum Modulation – in dBc: @ 12Amps - Minimum	5 – 1218MHz	60	60	60	60	60	60	60	60	60	60
RFI Shielding – In dBc: Minimum	5 – 1218MHz	120	120	120	120	120	120	120	120	120	120

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12 Amp Equalizable 2/4/8 Port Taps



Technical Data | Narrow and Wide bodies – 8 Port (PPC-LTAX2-W8*)

Parameter	Frequency	Specifications								
		11	14	17	20	23	26	29	32	35
Insertion Loss - In/Out in dB: Maximum	5 – 15MHz	T	3.8	2.4	1.3	1.3	1.0	1.0	0.9	0.9
	15 – 65MHz	T	3.6	1.8	1.1	1.1	0.8	0.8	0.7	0.7
	65 – 300MHz	T	4.0	2.0	1.3	1.2	0.9	0.9	0.9	0.8
	300 – 550MHz	T	4.7	2.5	1.9	1.7	1.3	1.3	1.3	1.2
	550 – 750MHz	T	5.0	2.7	2.1	1.8	1.5	1.5	1.4	1.3
	750 – 862MHz	T	5.0	3.0	2.3	2.0	1.8	1.7	1.7	1.4
	862 – 1000MHz	T	5.1	3.1	2.4	2.1	1.9	1.8	1.8	1.5
1000 – 1218MHz	T	5.3	3.6	2.6	2.3	2.1	2.0	2.0	1.8	
Insertion Loss – In/any Tap port in dB: Tolerance: +/-2.0dB 5 – 15MHz +/-1.5dB 15 – 860MHz +/-2.0dB 860 – 1218MHz	5 – 1218MHz	11	14	17	19.5	22.5	26	29	32	35
Isolation – Out/Tap Port in dB: Minimum	5 – 30MHz	T	22	24	27	29	30	32	33	35
	30 – 65MHz	T	30	32	33	35	36	38	39	41
	65 – 860MHz	T	28	30	31	33	34	36	37	39
	860 – 1218MHz	T	24	26	27	29	30	32	33	35
Isolation – Tap Port/Tap Port in dB: Minimum	5 – 30MHz	18	18	18	18	18	18	18	18	18
	30 – 860MHz	23	23	23	23	23	23	23	23	23
	860 – 1218MHz	21	21	21	21	21	21	21	21	21
Return Loss – all ports in dB: Minimum	5 – 15MHz	12	12	12	12	12	12	12	12	12
	15 – 950MHz	16	16	16	16	16	16	16	16	16
	950 – 1218MHz	16	16	16	16	16	16	16	16	16
Hum Modulation – in dBc: @ 12Amps - Minimum	5 – 1218MHz	60	60	60	60	60	60	60	60	60
RFI Shielding – In dBc: Minimum	5 – 1218MHz	120	120	120	120	120	120	120	120	120

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Ordering Information

Part Number	Description
PPC-LTAX2-N2**	Line Tap, Narrow, 2-Port, **dB, Type “A”, 12Amp, 5 – 1218MHz **= 04T, 08, 11, 14, 17, 20, 23, 26, 29, 32, 35
PPC-LTAX2-N4**	Line Tap, Narrow, 4-Port, **dB, Type “A”, 12Amp, 5 – 1218MHz **= 08T, 11, 14, 17, 20, 23, 26, 29, 32, 35
PPC-LTAX2-W2**	Line Tap, Wide, 2-Port, **dB, Type “A”, 12Amp, 5 – 1218MHz **= 04T, 08, 11, 14, 17, 20, 23, 26, 29, 32, 35
PPC-LTAX2-W4**	Line Tap, Wide, 4-Port, **dB, Type “A”, 12Amp, 5 – 1218MHz **= 08T, 11, 14, 17, 20, 23, 26, 29, 32, 35
PPC-LTAX2-W8**	Line Tap, Wide, 8-Port, **dB, Type “A”, 12Amp, 5 – 1218MHz **= 11T, 14, 17, 20, 23, 26, 29, 32, 35