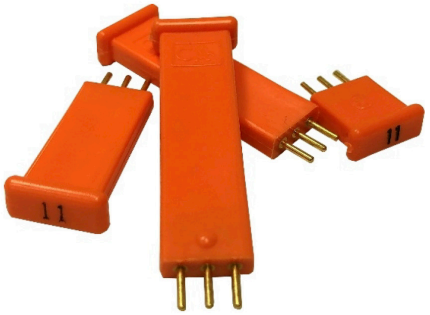
JXP Attenuators
For Amplifier/Node Setup

A BELDEN BRAND

Features & Benefits

- Precision attenuators (pads) to set up your amplifier correctly
- Can be used in a wide variety of amp/nodes
- Available in four heights, longer models have locking “bumps”
- 5 – 1794MHz bandwidth
- Electronics molded in plastic for protection and stability
- The designed-in standard by the top OEM amp/node manufacturers
- Gold-plated pins help achieve long life
- Designed and manufactured in the USA



Overview

PPC continues the tradition started by Communication Associates Inc. by offering world-class plug-in products to the cable industry. Technicians can set up their amps/nodes with confidence as these JXP style plug-in attenuators (pads) are individually laser trimmed to precise values to meet the most exacting expectations. With a bandwidth of 5 – 1794MHz, use these pads in either the forward or return paths.

Each JXP attenuator is molded in solvent resistant polypropylene and has gold plated pins to achieve long life. These are the US designed and built pads you can put in your amplifiers and nodes today that will provide reliable service for years to come.

Technical Data

Compatibility Chart

<table>
<tr><th></th><th colspan="5">Attenuator Height (inches)</th></tr>
<tr><th></th><th>1.6</th><th>1.4 no lock</th><th>1.0</th><th>1.0 no lock</th><th>0.466</th></tr>
<tr><td>Lock/Bump 1dB/Step Models</td><td>Yes
CA0140**</td><td>Yes
CA0240**</td><td>Yes
CA0076**</td><td>No
CA0089**</td><td>No
CA0075**</td></tr>
<tr><td>½ dB/Step Models</td><td>none</td><td>none</td><td>none</td><td>CA0093**</td><td>CA0087**</td></tr>
<tr><td rowspan="6">Used in these amps/nodes:</td><td rowspan="6">SA/Cisco Gainmaker†</td><td>Arris/C-COR 9A Tall†</td><td rowspan="3">ATX Maxnet/ SignalOn†</td><td>ATX Maxnet/SignalOn†</td><td>All GI/Jerrold BTD, BLT, JLX, BTA†</td></tr>
<tr><td rowspan="2">OptiMax4000/4100†</td><td>ADC RF Worx II†</td><td rowspan="2">Arris 9A Short†</td></tr>
<tr><td>Arris/C-COR 7A†</td></tr>
<tr><td rowspan="2">FlexMax 901/901E†</td><td rowspan="3">ADC RF Worx II†</td><td rowspan="2">Quadrant II Node†</td><td>Multimedia LEQ/RC†</td></tr>
<tr><td>SA 9000, Adaptis†</td></tr>
<tr><td>FlexMax 330/331†</td><td>Optimax 3100/2000 FEQR FTERM†</td><td>ADC RF Worx I†</td></tr>
</table>

† PPC Broadband, Inc. is not affiliated with, and does not claim ownership of, any products or intellectual property owned by any third party referred to herein, including any affiliates

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RF Parameters Per dB Range

dB Value	Return Loss (5 - 600MHz)	Return Loss (601 - 800MHz)	Return Loss (801 to 1218MHz)	Return Loss (1218 to 1794MHz)	5 MHz Nominal Insertion Loss*	1218 MHz Nominal Insertion Loss*	1794 MHz Nominal Insertion Loss*
1	≥ 30	≥ 27	≥ 23	≥ 16	1	1	1.3
1.5					1.5	1.5	1.8
2					2	2	2.5
2.5					2.5	2.5	2.8
3					3	3	3.2
3.5					3.5	3.5	3.7
4					4	4	4.2
4.5				≥ 18	4.5	4.5	4.6
5					5	5	5
6					6	6	6
7					7	7	7
8					8	8	8
9					9	9	9
10					10	10.2	10.3
11					11	11	11
12					12	12	12
13					13	13	13
14					14	14.2	14.4
15					15	15	15
16					16	16	16
17					17	17.2	17.4
18					18	18.1	18.2
19					19	19.2	19.4
20					20	20.1	20.1
21					21	21.1	21.2
22					22	22	22.1
23					23	23.2	23.4
24					24	24	24.4
25			≥ 21	≥ 16	25	25.3	25.9
26					26	26.1	28.5

These products may be protected by one or more patents. For further information, please visit: www.ppc-online.com/patents

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Other Parameters

Specification	Value
Impedance	75 ohms, bidirectional
Max Power	0.125 Watts
Electrical Interface	3 pins, center ground. Pin/pin spacing 0.125 inch. All pins 0.038 +/-0.002 inches diameter Pin material: Brass with gold plating
Body Size	There are 4 height/lengths: 1.60, 1.40, 1.0, and 0.426 inches (not including pins) The body width/depth is the same on all height/lengths: Width 0.425 +/-0.025, Depth 0.158 +/-0.10 in
Body Material/Color	Polypropylene, Orange
Marking/Color	dB value of attenuator/pad printed on “T” handle, Black
Operating Temperature	-40 °F to 176 °F (-40 °C to 80 °C)

Part Numbers by Height

dB value	1.6” Tall	1.4” Tall	1” Tall	1” Tall no lock	0.466” Tall
0	CA014000	CA024000	CA007600	CA008900	CA007500
0.5	CA014500	CA024500	see note 1	CA009300	CA008700
1	CA014001	CA024001	CA007601	CA008901	CA007501
1.5	CA014501	CA024501	see note 1	CA009301	CA008701
2	CA014002	CA024002	CA007602	CA008902	CA007502
2.5	see note 1	see note 1	see note 1	CA009302	CA008702
3	CA014003	CA024003	CA007603	CA008903	CA007503
3.5	see note 1	see note 1	see note 1	CA009303	CA008703
4	CA014004	CA024004	CA007604	CA008904	CA007504
4.5	see note 1	see note 1	see note 1	CA009304	CA008704
5	CA014005	CA024005	CA007605	CA008905	CA007505
5.5	see note 1	see note 1	see note 1	CA009305	CA008705
6.00	CA014006	CA024006	CA007606	CA008906	CA007506
6.50	see note 1	see note 1	see note 1	CA009306	CA008706
7.00	CA014007	CA024007	CA007607	CA008907	CA007507
7.50	see note 1	see note 1	see note 1	CA009307	CA008707
8.00	CA014008	CA024008	CA007608	CA008908	CA007508
8.50	see note 1	see note 1	see note 1	CA009308	CA008708
9.00	CA014009	CA024009	CA007609	CA008909	CA007509
9.50	see note 1	see note 1	see note 1	CA009309	CA008709
10.00	CA014010	CA024010	CA007610	CA008910	CA007510
10.50	see note 1	see note 1	see note 1	CA009310	CA008710
11.00	CA014011	CA024011	CA007611	CA008911	CA007511
11.50	see note 1	see note 1	see note 1	CA009311	CA008711

Notes:
1 - This item is not a standard value, but may be available upon request

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Part Numbers by Height (cont)

dB value	1.6” Tall	1.4” Tall	1” Tall	1” Tall no lock	0.466” Tall
12.00	CA014012	CA024012	CA007612	CA008912	CA007512
12.50	see note 1	see note 1	see note 1	CA009312	CA008712
13.00	CA014013	CA024013	CA007613	CA008913	CA007513
13.50	see note 1	see note 1	see note 1	CA009313	CA008713
14.00	CA014014	CA024014	CA007614	CA008914	CA007514
14.50	see note 1	see note 1	see note 1	CA009314	CA008714
15.00	CA014015	CA024015	CA007615	CA008915	CA007515
15.50	see note 1	see note 1	see note 1	CA009315	CA008715
16.00	CA014016	CA024016	CA007616	CA008916	CA007516
16.50	see note 1	see note 1	see note 1	CA009316	CA008716
17.00	CA014017	CA024017	CA007617	CA008917	CA007517
17.50	see note 1	see note 1	see note 1	CA009317	CA008717
18.00	CA014018	CA024018	CA007618	CA008918	CA007518
18.50	see note 1	see note 1	see note 1	CA009318	CA008718
19.00	CA014019	CA024019	CA007619	CA008919	CA007519
19.50	see note 1	see note 1	see note 1	CA009319	CA008719
20.00	CA014020	CA024020	CA007620	CA008920	CA007520
20.50	see note 1	see note 1	see note 1	CA009320	CA008720
21.00	CA014021	CA024021	CA007621	CA008921	CA010521
21.50	see note 1	see note 1	see note 1	see note 1	CA008721
22.00	CA014022	CA024022	CA007622	CA008922	CA010522
22.50	see note 1	see note 1	see note 1	see note 1	CA008722
23.00	CA014023	CA024023	CA0007623	CA008923	CA010523
23.50	see note 1	see note 1	see note 1	see note 1	CA008723
24.00	CA014024	CA024024	CA007624	CA008924	CA010524
24.50	see note 1	see note 1	see note 1	see note 1	CA008724
25.00	CA014025	CA024025	CA007625	CA008925	CA010525
25.50	see note 1	see note 1	see note 1	see note 1	CA008725
26.00	CA014026	CA024026	CA007626	CA008926	CA010526
75 ohm term.	CA014075	CA024075	CA007675	CA008975	CA007575

Notes:
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r6_01062025

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