Amphenol® RF

4.3/10 Coaxial Adapters

In-Series and Between Series Low PIM Adapters



AD716P4310P-1



AD-4310PSMAJ-1

Overview

Amphenol RF now offers a full line of 4.3/10 adapters as an addition to the low PIM adapter product family. This low PIM interface is ideal for space restricted, high density and weight sensitive applications. This highly stable connector series nearly eliminates PIM concerns even with reduced mating torque requirements versus 7/16 DIN products. In-series and between series configurations are available.

Features and Benefits

- Excellent Low PIM and Return Loss characteristics
- Reduced mating torque requirements versus 7/16 DIN
- Small size is ideal for space restricted, high density applications
- 60% lighter weight than 7/16 DIN

Applications

- Base Stations
- Multi-Channel Antennas
- Distributed Antenna Systems
- Cell Installations
- Wireless Infrastructure
- Lab Applications

In-Series Configurations

AD-4310J4310J-1	4.3/10 Jack to 4.3/10 Jack
AD-4310J4310J-2	4.3/10 Bulkhead Jack to 4.3/10 Jack
AD-4310P4310P-1	4.3/10 Plug to 4.3/10 Plug
AD-4310P4310J-1	4.3/10 Plug to 4.3/10 Jack
AD-4310P4310J-2	4.3/10 Plug to 4.3/10 Jack R/A

Between Series Configurations

AD-716J4310J-1	4.3/10 Jack to 7/16 Jack
AD-716P4310J-1	4.3/10 Jack to 7/16 Plug
AD-716J4310P-1	4.3/10 Plug to 7/16 Jack
AD-716P4310P-1	4.3/10 Plug to 7/16 Plug
AD-4310JNJ-1	4.3/10 Jack to N Jack
AD-4310JNP-1	4.3/10 Jack to N Plug
AD-4310PNJ-1	4.3/10 Plug to N Jack
AD-4310PNP-1	4.3/10 Plug to N Plug
AD-4310JSMAP-1	4.3/10 Jack to SMA Plug
AD-4310PSMAJ-1	4.3/10 Plug to SMA Jack

Amphenol RF
Four Old Newtown Road
Danbury, CT 06810

*For more information visit **www.amphenolrf.com***
or call 800.627.7100

Amphenol® RF

Electrical		
Nominal Impedance	50Ω	
Power Handling	≤ 500W	
Frequency Range	0-4GHz	4-6GHz
VSWR	≤ 1.03	≤ 1.05
PIM	≤ -166 dBc (2x43dBm)	
Insertion Loss (dB)	≤ 0.05*√F (GHz)	
Insulation Resistance	≥ 5000mΩ	
Proof Voltage	≥ 2500V	
Conductor Resistance	Outer Inner	<0.1mΩ <1mΩ

Mechanical/Environmental Specifications	
Mating Durability	≥100 Cycles
Nut Torque	5Nm
Temperature Range	-55C to +155C
Weather Standard	IEC 60068-1 55/155/21
Thermal Shock	IEC 60068-2-14-Na
Vibration	IEC 60068-2-6-FC
Shock	IEC 60068-2-27
RoHS Compliant	Yes with Exemption 6C

Materials and Finishes	
Body	Brass, White Bronze Plating
Male Contact	Brass, Silver Plating
Female Contact	Beryllium Copper, Silver Plating
Insulator	PTFE

Low PIM Adapter Configurations

Amphenol RF offers a complete line of Low PIM adapters for wireless applications requiring consistent electrical performance, low return loss and low IMD. See the low PIM adapter matrix below for ordering information. Visit our website for specifications and additional information.

		4.3/10		7/16		4.1/9.5		N-Type		SMA	
		Jack	Plug	Jack	Plug	Jack	Plug	Jack	Plug	Jack	Plug
4.3/10	Jack	AD-4310J4310J-1 AD-4310J4310J-2 (Bulkhead)	AD-4310P4310J-1 AD-4310P4310J-2 (Right Angle)	AD-716J4310J-1	AD-716P4310J-1			AD-4310JNJ-1	AD-4310JNP-1		AD-4310JSMAP-1
	Plug	AD-4310P4310J-1 AD-4310P4310J-2 (Right Angle)	AD-4310P4310P-1	AD-716J4310P-1	AD-716P4310P-1			AD-4310PNJ-1	AD-4310PNP-1	AD-4310PSMAJ-1	
7/16	Jack	AD-716J4310J-1	AD-716J4310P-1	272300 272301 (Bulkhead)	272292	242276	242278	242137 272183 (Bulkhead)	242135		242266
	Plug	AD-716P4310J-1	AD-716P4310P-1	272292	272134	242277	242279	242136	242138		
4.1/9.5	Jack			242276	242277	332109 (4-Hole Flange)		242280	242281		
	Plug			242278	242279			242282	242283		
N-Type	Jack	AD-4310JNJ-1	AD-4310PNJ-1	242137 272183 (Bulkhead)	242136	242280	242282	172370 172371 (Bulkhead)	172372		242265
	Plug	AD-4310JNP-1	AD-4310PNP-1	242135	242138	242281	242283	172372	172369		
SMA	Plug	AD-4310JSMAP-1		242266				242265			
	Jack		AD-4310PSMAJ-1								

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Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

Amphenol:

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