



### Overview

Amphenol RF offers a variety of between-series Nex10 adapters capable of superior low PIM performance up to 6 GHz. This lightweight, threaded interface features a compact design that allows for more connection density in comparison to other connectors or adapters. The small footprint of this series makes it ideal for small cells, distributed antenna systems (DAS) and MIMO applications.

Nex10 adapters can be used where RF signals need to be combined or distributed to an antenna in multi-operator, multiband DAS applications. These adapters are designed to solve passive intermodulation (PIM) in a network to reduce interference that can degrade the network quality.

### Features and Benefits

- Ruggedized design and compact size
- Durable low PIM solution
- Reliable electrical performance up to 6 GHz
- Lightweight construction

### Applications

- Antennas
- Small Cell
- MIMO
- Distributed Antenna Systems (DAS)
- Radios
- Filters
- Test & Measurement
- 5G/LTE

### Amphenol RF

Four Old Newtown Road  
Danbury, CT 06810

For more information visit [www.amphenolrf.com](http://www.amphenolrf.com)  
or call 800.627.7100

### Ordering Information

#### Nex10 Between-Series Adapters

Part Number	Description
AD-N10P4310P-1	Nex10 Plug to 4.3-10 Plug Straight
AD-N10JNJ-1	Nex10 Jack to N-Type Jack Straight
AD-N10PNJ-2	Nex10 Plug to N-Type Jack Straight
AD-N10PSMAJ-2	Nex10 Plug to SMA Jack Straight
AD-N10J716J-1	Nex10 Jack to 7-16 Jack Straight



# Amphenol® RF

## Technical Specifications

### Electrical

		Nex10
Impedance		50 Ω
Frequency Range		DC - 6 GHz
Return Loss (VSWR)		1.3 (-18 dB) Max.
Dielectric Withstanding Voltage		1000 VRMS Max.
Insulation Resistance		5000 MΩ Min.
Contact Resistance	Center Contact	6 mΩ Max.
	Outer Contact	4 mΩ Max.
Insertion Loss		0.10 dB Max. @ DC – 3 GHz
Passive Intermodulation (PIM)		-163 dBC Min.
Power Handling		260 W @ DC – 3 GHz

### Mechanical

Coupling Style	Threaded
Mating Cycles	100 Min.

### Environmental

Temperature Range	-40°C to +85°C
RoHS	Compliant with Exemption 6C

### Materials

Body	Brass, Copper Tin Zinc Plating
Male Contact	Beryllium Copper, Silver Plating
Female Contact	Spring Copper, Silver Plating
Insulator	PTFE, Natural

*Note: Technical specifications are typical and may vary by specific part number. See component drawing.*

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