射频适配器套件

产品概述

本系列适配器可以实现不同类型接口之间的互联和转换。具有良好的频率特性，阻抗匹配以及插入损耗低等特点，可应用于通用测试和校准计量中。

N 型连接器

N 型连接器是一种持久耐用的中型连接器，主要运用于中等大小的微型同轴电缆中。右图(a)为 AD-NF-NF-18501（双 N 母头）型号，图(b)为 AD-NM-NM-18501（双 N 公头）型号的 N 型连接器。

(a)

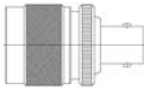
(b)

N-SMA 连接器

N-SMA 连接器是用于连接 N 接头和 SMA 接头的连接器，属防水和抗震的高频同轴连接器。该系列的连接器主要应用在移动通信仪器和 N 转 SMA 的连接上。右图为 AD-NM-SMAF-12501 型号的 N（公头）转 SMA（母头）连接器。

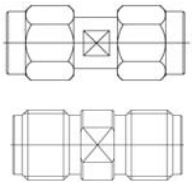
N-BNC 连接器

N-BNC 转接器是用于连接 N 接头和 BNC 接头的连接器。N 系列连接器属持久耐用的中型连接器。BNC 产品则是一个微型卡锁式快速连接/断开的射频连接器。



SMA 连接器

SMA 系列连接器属半精密，微小型，高频同轴连接器。该系列连接器的主要特性为高机械强度，良好的耐久性以及低驻波系数等。右图(a)为 AD-SMAM-SMAM-18501（双 SMA 公头）型号，图(b)为 AD-SMAF-SMAF-18501（双 SMA 母头）型号。

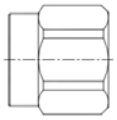


(a)

(b)

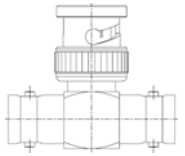
SMA 50Ω 适配器

该 SMA 适配器是一款高达 18GHz 的高性能微波负载，是理想的多端口器件端接负载。它适用于无线网络、程序控制、微波设备和数字通信系统中。右图为 AD-SMAM-50-18501 型号的 SMA 50Ω 适配器。



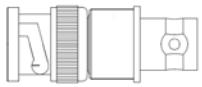
BNC T 型连接器

BNC T 型连接器是一种被广泛运用的同轴适配器。它具有体积小、重量轻、快速安装与拆卸等特点。右图为 AD-BNCF-BNCM-BNCF-04501 型号的 BNC T 型连接器



50Ω 阻抗匹配器

该款阻抗匹配器可用于射频源等设备，例如将外调制输入接口的输入电阻转换成 50Ω；也可应用于示波器测试棒连接电表，将示波器测试棒的阻抗与接往电表的阻抗相互匹配从而测得正确的值。



主要指标

名称	型号	数量	类型（50Ω）	频率范围	最大电压驻波比（标称值）	备注
N 型连接器	AD-NF-NF-18501	1	N 母头-N 母头	DC 至 18 GHz	1.15	
N 型连接器	AD-NM-NM-18501	1	N 公头-N 公头	DC 至 18 GHz	1.15	
N-SMA 连接器	AD-NM-SMAF-12501	2	N 公头-SMA 母头	DC 至 12 GHz	1.15	
N-BNC 连接器	AD-NM-BNCF-06501	2	N 公头-BNC 母头	DC 至 6 GHz	1.2	最大插损 0.15
SMA 连接器	AD-SMAM-SMAM-18501	1	SMA 公头-SMA 公头	DC 至 18 GHz	1.1	最大插损 0.1
SMA 连接器	AD-SMAF-SMAF-18501	1	SMA 母头-SMA 母头	DC 至 18 GHz	1.35（DC-12.4GHz）	最大插损 0.15
SMA 50Ω 适配器	AD-SMAM-50-18501	1	SMA 公头	DC 至 18 GHz	1.25	
BNC T 型连接器	AD-BNCF-BNCM-BNCF-04501	1	BNC 母头-BNC 公头-BNC 母头	DC 至 4 GHz	1.5	
50Ω 阻抗匹配器	ADP0150BNC	1	BNC 公头-BNC 母头	DC 至 1 GHz		

RF Adaptor Kit

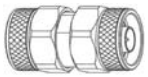
Product Overview

This series adaptor can implement the interconnection and conversion between the different types interfaces. It features good frequency performance and impedance matching as well as low insertion loss. It can be used in common test and calibration measurement.

N Type Connector

N type connector is a durable medium-size connector mainly used in medium-size micro coaxial cables. Figure (a) and figure (b) on the right side show the AD-NF-NF-18501 (dual-N female) model and AD-NM-NM-18501 (dual-N male) model N type connectors respectively.

(a)



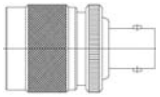
(b)

N-SMA Connector

N-SMA connector is used to connect the N connector and SMA connector. It is an anti-water and anti-shock high frequency coaxial connector. This series of connectors are mainly used in mobile communication instrument connection and N-to-SMA connection. The figure on the right side shows the AD-NM-SMAF-12501 model N (male)-SMA (female) connector.

N-BNC Connector

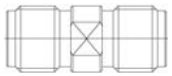
N-BNC connector is used to connect the N connector and BNC connector. The N series connectors are durable medium-size connectors. The BNC products are micro lock fast connect/disconnect RF connectors.



SMA Connector

SMA series connector is a semi-precision, micro-size and high frequency coaxial connector. This series of connectors features high mechanical robustness, good durability and low standing wave coefficient. Figure (a) and figure (b) on the right side show the AD-SMAM-SMAM-18501 (dual-SMA (male)) model and AD-SMAF-SMAF-18501 (dual-SMA (female)) model SMA connectors respectively.

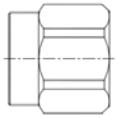
(a)



(b)

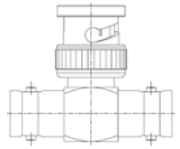
SMA 50Ω Adaptor

This SMA adaptor is a high performance microwave load which frequency is up to 18 GHz and is a ideal multi-port device terminating load. It is usually used in wireless network, process control, microwave devices and digitial communication systems. The figure on the right side shows the AD-SMAM-50-18501 model SMA 50Ω adaptor.



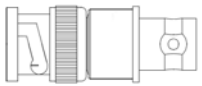
BNC T Type Connector

BNC T type connector is a widly used coaxial adaptor. It features small size, light weight and fast assemble/disassemble. The figure on the right side shows the AD-BNCF-BNCM-BNCF-04501 model BNC T type connector.



50 Ω Impendance Adaptor

This type of impedance adaptor can be used in the RF source and other equipments, e.g., convert the input resistance of the external modulation input interface to 50Ω. It also can be used to connect the oscilloscope test prod and electric meter. It can match the impedance of the oscilloscope test prod with that of the electric meter to obtain correct measurement value.



Specifications

Name	Model	Qty.	Type (50Ω)	Freq.	Max. VSWR (nom.)	Remark
N Type Connector	AD-NF-NF-18501	1	N (female) -N (female)	DC to 18 GHz	1.15	
N Type Connector	AD-NM-NM-18501	1	N (male) -N (male)	DC to 18 GHz	1.15	
N-SMA Connector	AD-NM-SMAF-12501	2	N (male) -SMA (female)	DC to 12 GHz	1.15	
N-BNC Connector	AD-NM-BNCF-06501	2	N (male) -BNC (female)	DC to 6 GHz	1.2	Max. Insertion Loss 0.15
SMA Connector	AD-SMAM-SMAM-18501	1	SMA (male) -SMA (male)	DC to 18 GHz	1.1	Max. Insertion Loss 0.1
SMA Connector	AD-SMAF-SMAF-18501	1	SMA(female) -SMA (female)	DC to 18 GHz	1.35 (DC-12.4GHz)	Max. Insertion Loss 0.15
SMA 50Ω Adaptor	AD-SMAM-50-18501	1	SMA (male)	DC to 18 GHz	1.25	
BNC T Type Connector	AD-BNCF-BNCM-BNCF-04501	1	BNC (female)-BNC (male) -BNC (female)	DC to 4 GHz	1.5	
50Ω Impen-dance Adaptor	ADP0150BNC	1	BNC (male) -BNC (female)	DC to 1 GHz		