

Coaxial Adapters

Adapter Tables

A convenient Adapter Part Number Table, Adapter Code Table, and Adapter Construction Table can help you find a part number. They can also help you understand our part numbering system. Since there are many combinations possible, only some of the most common are shown here. **Please call if you don't see exactly what you need.**

	SSMA		SMA		SMB		SMC		BNC		Type N		TNC	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SMA	Male	MDC3314 MDC3100	SM-SM	SM-SF	MDC3037	MDC3038	MDC3039	MDC3040	BM-SM	BF-SM	NM-SM	NF-SM	TM-SM	TF-SM
	Female	MDC3312 MDC3313	SM-SF	SF-SF	MDC3033	MDC3034	MDC3035	MDC3036	BM-SF	BF-SF	NM-SF	NF-SF	TM-SF	TF-SF
SMB	Male	MDC7916-3 MDC7915-3	MDC3037	MDC3033	MDC6234	MDC6004	MDC3041	MDC3042	MDC4021-3	MDC4030-3	MDC4024-3	MDC4032-3	MDC4027-3	MDC4031-3
	Female	MDC7916-4 MDC7915-4	MDC3038	MDC3034	MDC6004	MDC6237	MDC3045	MDC3044	MDC4021-4	MDC4030-4	MDC4024-4	MDC4032-4	MDC4027-4	MDC4031-4
SMC	Male	MDC7916-1 MDC7915-1	MDC3039	MDC3035	MDC3041	MDC3045	MDC8134	MDC8001	MDC4021-1	MDC4030-1	MDC4024-1	MDC4032-1	MDC4027-1	MDC4031-1
	Female	MDC7916-2 MDC7915-2	MDC3040	MDC3036	MDC3042	MDC3044	MDC8001	MDC8137	MDC4021-2	MDC4030-2	MDC4024-2	MDC4032-2	MDC4027-2	MDC4031-2
BNC	Male	MDC7909 MDC7903	BM-SM	BM-SF	MDC4021-3	MDC4021-4	MDC4021-1	MDC4021-2	BM-BM	BM-BF	NM-BM	NF-BM	BM-TM	BM-TF
	Female	MDC7910 MDC7904	BF-SM	BF-SF	MDC4030-3	MDC4030-4	MDC4030-1	MDC4030-2	BM-BF	BF-BF	NM-BF	NF-BF	BF-TM	BF-TF
N	Male	MDC7911 MDC7905	NM-SM	NM-SF	MDC4024-3	MDC4024-4	MDC4024-1	MDC4024-2	NM-BM	NM-BF	NM-NM	NM-NF	NM-TM	NM-TF
	Female	MDC7912 MDC7906	NF-SM	NF-SF	MDC4032-3	MDC4032-4	MDC4032-1	MDC4032-2	NF-BM	NF-BF	NM-NF	NF-NF	NF-TM	NF-TF
TNC	Male	MDC7913 MDC7907	TM-SM	TMSF	MDC4027-3	MDC4027-4	MDC4027-1	MDC4027-2	BM-TM	BF-TM	NM-TM	NF-TM	TM-TM	TM-TF
	Female	MDC7914 MDC7908	TF-SM	TF-SF	MDC4031-3	MDC4031-4	MDC4031-1	MDC4031-2	BM-TF	BF-TF	NM-TF	NF-TF	TM-TF	TF-TF
SSMA	Male	MDC1143 MDC1144	MDC3314	MDC3312	MDC7916-3	MDC7916-4	MDC7916-1	MDC7916-2	MDC7909	MDC7910	MDC7911	MDC7912	MDC7913	MDC7914
	Female	MDC1144 MDC1142	MDC3100	MDC3313	MDC7915-3	MDC7915-4	MDC7915-1	MDC7915-2	MDC7903	MDC7904	MDC7905	MDC7906	MDC7907	MDC7908

Most standard adapters are nickel plated brass except SMA and SSMA which are usually gold plated stainless steel. When available, particular adapters in the MDC3XXX series can be ordered with a passivated finish by adding "S" to the part number. In the MDC4XXX series, add "G" to part number for gold plating.

Adapter Code Table

BNC	B
C	C
874	874
HN	H
N	N
SC	SC
SMA	S
TNC	T
UHF	U
Male	M
Female	F
Bulkhead	Prefix with B
Right Angle	Prefix with R
Radius (swept)	RR
Panel (flange)	Prefix with P
usage through 18 GHz: Precision	Prefix with X
Examples	Part No.
N (male) to SMA (female)	NM-SF
TNC (female) to SMA (male)	TF-SM
BNC (male) to BNC (female)	BM-BF
Precision panel mount	
N (female) to SMA (female)	XPNF-SF
Bulkhead N (male) to SMA (female)	BNM-SF

General Adapter Information

(Consult factory for additional information)

Many MIDISCO adapters are available with one or both interfaces reverse polarized (RP), indicated by adding the suffix RP after the series designator. For example, a standard Type N Plug to SMA jack adapter is a NM-SF. If the type N side is reverse polarized, the part number is NMRP-SF, while reverse polarizing on both sides is indicated as a NMRP-SFRP. Although not heavily stressed in this catalog, MIDISCO also has a wide variety of MCX and MMCX inter and intra series adapters.

Many BNC, TYPE N, TNC, and MCX (jack-to-jack adapters only) are also available in 75 Ω configurations. A -75 suffix is added to part number. With the exception of the type N series, all 75 Ω adapters will interface mechanically and electrically with their 50 Ω counterparts.

The Adapter Part Number Table shown above will aid the user in finding a part number. Page 33 contains an Adapter Suffix Table. It shows how the part numbers for the 4XXX series shown on this page are derived, and provides the user a tool to create part numbers for specific adapters not shown in catalog.

Coaxial Adapters

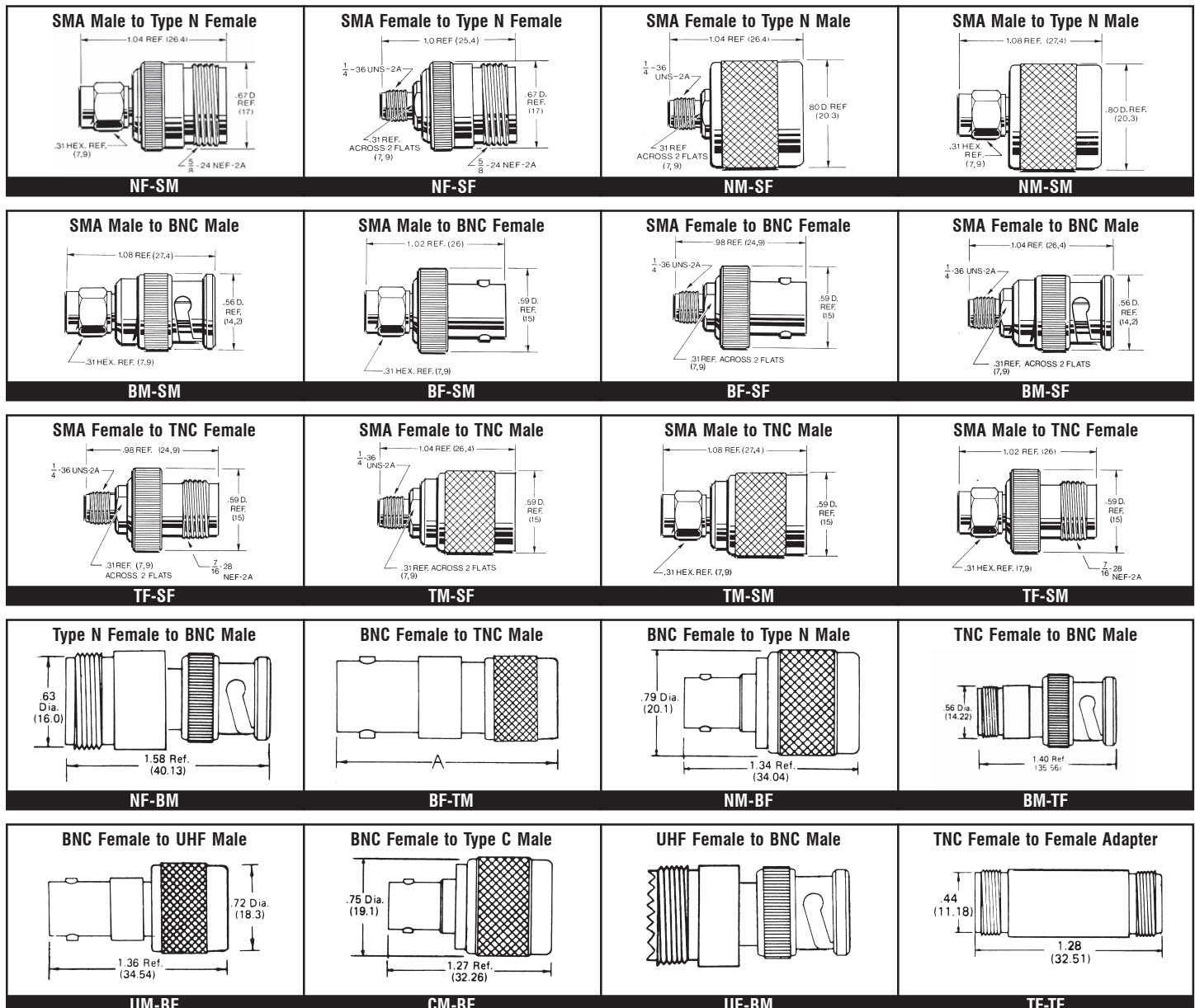
Standard Adapters

Features

- RF leakage: 90 dB (min.)
- Dielectric withstanding voltage: 1000Vrms, 60Hz (sea level)
- Temperature range: -65°C to +165°C
- Impedance: 50 ohms (some 75 ohm models available)
- Delivery from stock

Standard adapters are an inexpensive alternative to the MIDISCO Precision series, when operating at frequencies less than 12 GHz in TNC and type N. Construction is rugged and, wherever applicable, is in accordance with MIL-PRF-39012 and MIL-A-55339. Construction is stainless steel, beryllium copper or brass as the connector series dictates with corresponding plating of gold or nickel as the specification applies.

Additional types, including bulkhead, panel (flange), right angle and other series combinations are also available, usually from stock.



For precision stainless steel construction where applicable — Prefix “X” (See precision adapters section). All dimensions shown in inches (mm). Note: Dimensions are for reference only and are subject to change.

Coaxial Adapters

Standard Adapters

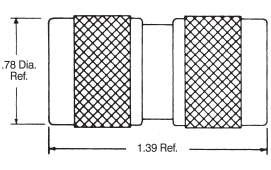
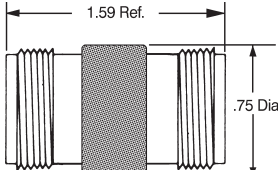
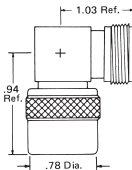
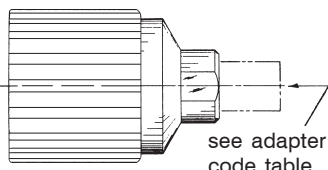
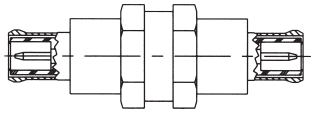
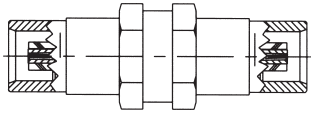
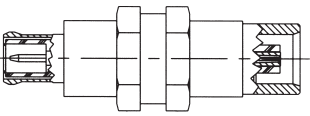
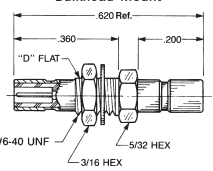
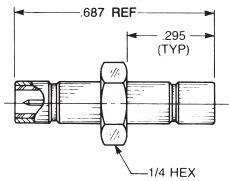
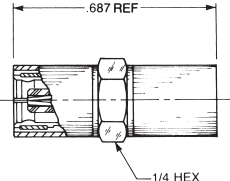
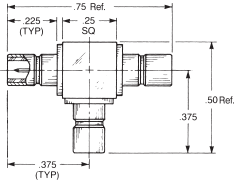
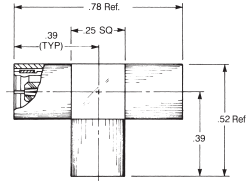
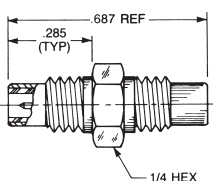
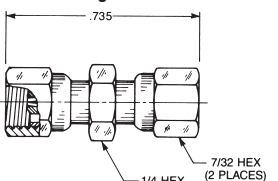
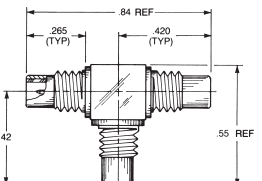
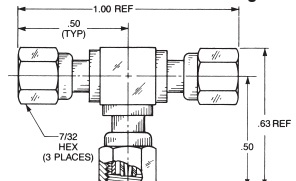
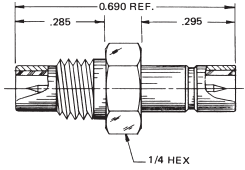
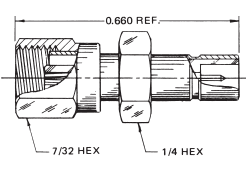
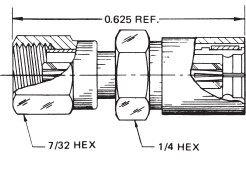
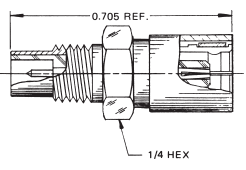
<p>TNC Male to Type N Male</p> <p>NM-TM</p>	<p>TNC Female to Type N Male</p> <p>NM-TF</p>	<p>TNC Male to TNC Male</p> <p>TM-TM</p>	<p>TNC Male to Type N Female</p> <p>NF-TM</p>
<p>BNC Female to Female</p> <p>BF-BF</p>	<p>BNC Male to Male</p> <p>BM-BM</p>	<p>BNC Tee - 3 Female</p> <p>BF-BF-BF</p>	<p>BNC Female, Male, Female</p> <p>BF-BM-BF</p>
<p>BNC T - Female, Female, Male</p> <p>BM-BF-BF</p>	<p>Right Angle BNC Female to BNC Male</p> <p>RBF-BM</p>	<p>BNC Female to Female Flange Mount</p> <p>PBF-BF</p>	<p>Type N Female to Female Flange Mount</p> <p>PNF-NF</p>
<p>Type N Female to Female</p> <p>NF-NF</p>	<p>Type N Male to Male</p> <p>NM-NM</p>	<p>Type N Tee - 3 Females</p> <p>NF-NF-NF</p>	<p>Type N Male to Right Angle Type N Female</p> <p>RNF-NM</p>
<p>Type N Tee Female, Male, Female</p> <p>NF-NM-NF</p>	<p>Type N Tee - 3 Males</p> <p>NM-NM-NM</p>	<p>Right Angle Type N Male to Type N Male</p> <p>RNM-NM</p>	<p>Type N Tee Female, Female, Male</p> <p>NF-NF-NM</p>

Standard Material & Finish: Non-Tarnish (Nickel) Plated Brass
 For Precision Stainless Steel Construction where applicable— Prefix "X"
 (See Precision Adapter Section)

All dimensions shown in inches (millimeters)
 Note: Dimensions are for reference and are subject to change.

Coaxial Adapters

Standard Adapters

SC Adapters			900 Adapters
<p>SC Male to SC Male</p>  <p>.78 Dia. Ref. 1.39 Ref.</p> <p>SCM-SCM</p>	<p>SC Female to SC Female</p>  <p>1.59 Ref. .75 Dia.</p> <p>SCF-SCF</p>	<p>Right Angle SC Male to SC Female</p>  <p>1.03 Ref. .94 Ref. .78 Dia.</p> <p>RSCM-SCF</p>	 <p>see adapter code table</p> <p>x: Connector Series y: M=Male F=Female</p> <p>900-xy</p>
MCX Adapters			SSMB Adapter
<p>MCX Male to MCX Male</p>  <p>MCXM-MCXM</p>	<p>MCX Female to MCX Female</p>  <p>MCXF-MCXF</p>	<p>MCX Male to MCX Female</p>  <p>MCXM-MCXF</p>	<p>SSMB Male to SSMB Male Bulkhead Mount</p>  <p>620 Ref. 360 200 "D" FLAT #6-40 UNF 3/16 HEX 5/32 HEX</p> <p>MDC6M243</p>
SMB Adapters			
<p>SMB Male Jack to SMB Male Jack</p>  <p>.687 REF .295 (TYP) 1/4 HEX</p> <p>MDC6234</p>	<p>SMB Female Plug to SMB Female Plug</p>  <p>.687 REF 1/4 HEX</p> <p>MDC6237</p>	<p>SMB Tee — 3 Male Jacks</p>  <p>.75 Ref. 25 SQ 225 (TYP) 375 375 (TYP) 50 Ref.</p> <p>MDC6328</p>	<p>SMB Tee — 3 Female Plugs</p>  <p>.78 Ref. 39 (TYP) 25 SQ 52 Ref. 39</p> <p>MDC6329</p>
SMC Adapters			
<p>SMC Male Jack to SMC Male Jack</p>  <p>.687 REF .285 (TYP) 1/4 HEX</p> <p>MDC8134</p>	<p>SMC Female Plug to SMC Female Plug</p>  <p>.735 1/4 HEX 7/32 HEX (2 PLACES)</p> <p>MDC8137</p>	<p>SMC Tee — 3 Male Jacks</p>  <p>.84 REF 265 (TYP) 420 (TYP) 42 55 REF</p> <p>MDC8128</p>	<p>SMC Tee — 3 Female Plugs</p>  <p>1.00 REF 50 (TYP) 7/32 HEX (3 PLACES) 63 REF 50</p> <p>MDC8129</p>
SMB to SMC Adapters			
<p>SMC Male Jack to SMB Male Jack</p>  <p>.285 0.690 REF .295 1/4 HEX</p> <p>MDC 3041</p>	<p>SMC Female Plug to SMB Male Jack</p>  <p>0.660 REF 7/32 HEX 1/4 HEX</p> <p>MDC 3042</p>	<p>SMC Female Plug to SMB Female Plug</p>  <p>0.625 REF 7/32 HEX 1/4 HEX</p> <p>MDC3044</p>	<p>SMC Male Jack to SMB Female Plug</p>  <p>0.705 REF 1/4 HEX</p> <p>MDC3045</p>

All units are 50 ohms unless specified otherwise.

Note: SMB, SMC, SSMB plugs have female contact.
Dimensions are for reference and subject to change.

Coaxial Adapters

Standard Adapters

BNC to Subminiature (SMB, SMC, CMS, SSMB, SSMC, SCMS, 50 & 75 ohm)

<p>BNC Plug</p> <p>MDC4021- ()</p>	<p>BNC Bulkhead Jack Front Mount</p> <p>MDC4022- ()</p>	<p>BNC Bulkhead Jack Rear Mount</p> <p>MDC4023- ()</p>
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N to Subminiature (SMB, SMC, CMS, SSMB, SSMC, SCMS, 50 & 75 ohm)

<p>N Plug</p> <p>MDC4024- ()</p>	<p>N Bulkhead Jack Front Mount</p> <p>MDC4025- ()</p>	<p>N Bulkhead Jack Rear Mount</p> <p>MDC4026- ()</p>
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TNC to Subminiature (SMB, SMC, CMS, SSMB, SSMC, SCMS, 50 & 75 ohm)

<p>TNC Plug</p> <p>MDC4027- ()</p>	<p>TNC Bulkhead Jack Front Mount</p> <p>MDC4028- ()</p>	<p>TNC Bulkhead Jack Rear Mount</p> <p>MDC4029- ()</p>
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SMA to SMB Adapters

<p>SMB Female to SMA Male</p> <p>MDC3038S</p>	<p>SMB Male to SMA Male</p> <p>MDC3037S</p>	<p>SMB Female to SMA Female</p> <p>MDC3034S</p>	<p>SMB Male to SMA Female</p> <p>MDC3033S</p>
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SMA to SMC Adapters / Frequency: DC-10GHz / VSWR: 1.15 max / Material is Passivated Stainless Steel

<p>SMC Female to SMA Male</p> <p>MDC3040S</p>	<p>SMC Male to SMA Male</p> <p>MDC3039S</p>	<p>SMC Female to SMA Female</p> <p>MDC3036S</p>	<p>SMC Male SMA Female</p> <p>MDC3035S</p>
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Adapter Suffix Table

To	Suffix
SMC Male Jack	-1
SMC Female Plug	-2
SMB Male Jack	-3
SMB Female Plug	-4
75 ohm screw-on Male Jack	-5
75 ohm screw-on Female Plug	-6
75 ohm snap-on Male Jack	-7 †
75 ohm snap-on Female Plug	-8 †
CMS Male Jack	-9
CMS Female Plug	-10
SSMC Male Jack	-11
SSMC Female Plug	-12
SSMB Male Jack	-13
SSMB Female Plug	-14
SCMS Male Jack	-15
SCMS Female Plug	-16

All units are 50 ohms unless specified otherwise.

Material & Finish: Nickel Plated Brass.

SMA: Stainless Steel Passivated or Gold Plated per applicable MIL specs.

Example: MDC4022-3 is a front mount BNC bulkhead jack to SMB male jack.

Note: SMB, SSMB, SMC, SSMC, CMS, SCMS plugs have female contact.

SMA plugs have male contact.

For Gold Plated Finish: For MDC4000 Series, add "G" to basic part number.

For MDC3000 Series, drop the "S" suffix.

† Suffix "7" and "8" adapters are available as true 75 ohm connectors (both sides) by adding /75 to basic part number. The Snap-On side can also be specified as a 75 ohm mini-SMB by adding an "M" after the "7" or "8" suffix.

Coaxial Adapters

Unique and Popular Adapters

Popular Precision Bulkhead Adapter	Quick Connect or Connector Saver	Hermetically Sealed Bulkhead SMA Fem to SMA Fem
<p>Precision Bulkhead N Fem to SMA Fem</p>	<p>Quick Connect SMA Male to SMA Fem Also available in Type N, TNC, Type F and others.</p>	
XBNF-SF-S	QSM-SF-S	HBSF-SF-S

Standard Adapters

BNC 75 ohm Adapters		Type F Adapters	
<p>BNC Female to BNC Female</p> <p>BF-BF-75</p>	<p>BNC Male to BNC Male</p> <p>BM-BM-75</p>	<p>Type F Female to Type F Female</p> <p>FF-FF</p>	<p>Type F Male to Type F Male</p> <p>FM-FM</p>
Type N to Type F Adapters			
<p>Type N Male to Type F Male</p> <p>NM-FM</p>	<p>Type N Male to Type F Female</p> <p>NM-FF</p>	<p>Type N Female to Type F Male</p> <p>NF-FM</p>	<p>Type N Female to Type F Female</p> <p>NF-FF</p>
7/16 DIN Adapters			
<p>7/16 DIN Male to 7/16 DIN Male</p> <p>716M-716M</p>	<p>7/16 DIN Female to 7/16 DIN Female</p> <p>716F-716F</p>	<p>Right Angle 7/16 DIN Male to 7/16 DIN Male</p> <p>R716M-716M</p>	<p>Right Angle 7/16 DIN Male to 7/16 DIN Female</p> <p>R716M-716F</p>
7/16 DIN to Type N Adapters			
<p>7/16 DIN Male to Type N Male</p> <p>716M-NM</p>	<p>7/16 DIN Male to Type N Female</p> <p>716M-NF</p>	<p>7/16 DIN Female to Type N Male</p> <p>716F-NM</p>	<p>7/16 DIN Female to Type N Female</p> <p>716F-NF</p>

7/16 connectors & cable assemblies are also available.

Coaxial Adapters

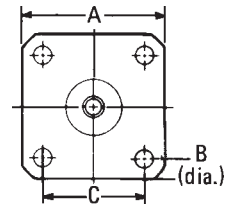
Precision Adapters

Features

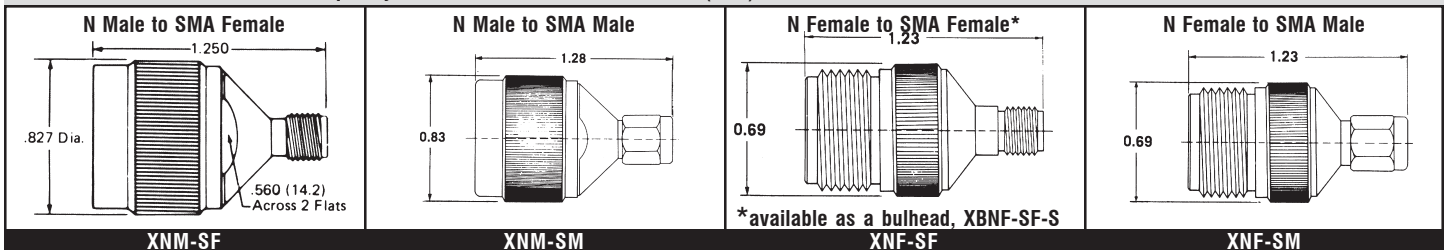
- Low VSWR
- Broadband coverage
- Simplified numbering
- Precision construction
- Smallest size for best performance
- Bulkhead and panel types
- Straight or right angle types
- Radius (bent) configurations
- Performance to 26 GHz and up
- Delivery from stock

Precision inter and intra series adapters, with performance to 26 GHz and beyond, appear on the following pages. Construction is in accordance with MIL-PRF-39012 and MIL-A-55339, where applicable. In most cases, material is stainless steel passivated or gold plated, remaining consistent with that normally specified in that connector series.

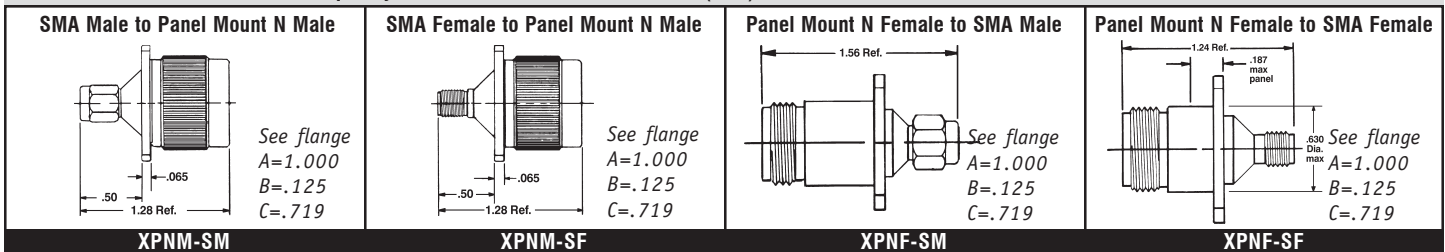
For lower frequency applications, see the MIDISCO standard series adapters in another section of this catalog. Additional adapters, not shown here, are usually from stock. Custom adapters are also available.



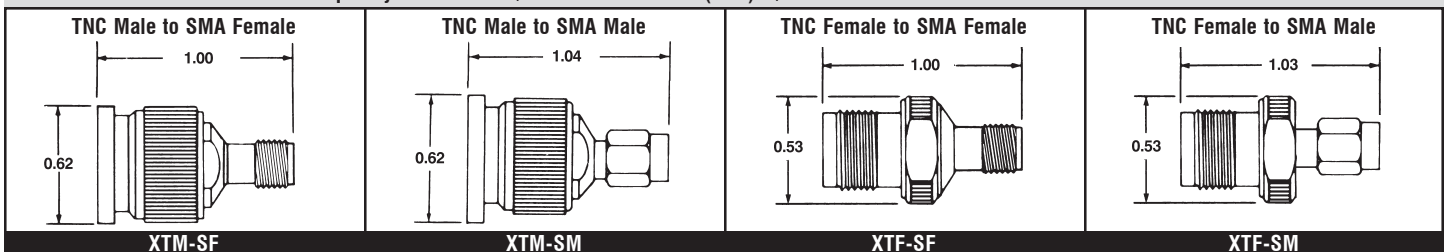
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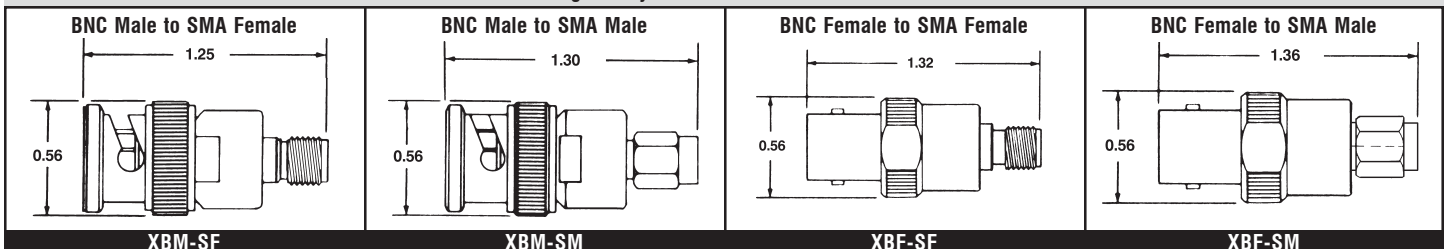
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Frequency: DC-15GHz / VSWR: 1.15 GHz (max) / Material is Passivated Stainless Steel



BNC is Brass with Bright Alloy Finish / SMA is Passivated Stainless Steel

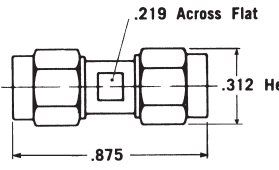
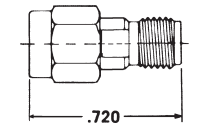
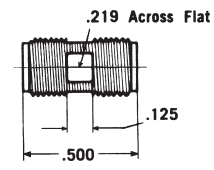
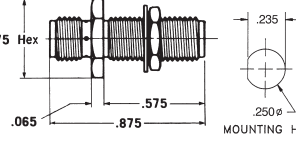


Note: Dimensions are for reference and are subject to change.

Coaxial Adapters

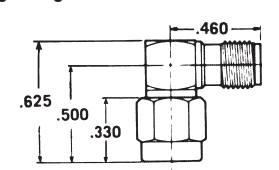
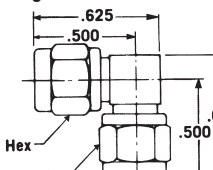
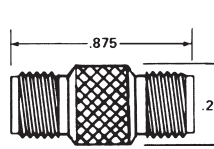
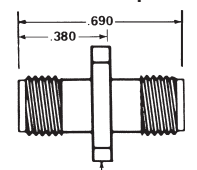
Precision Adapters

Frequency: DC-18GHz / VSWR: 1.15 GHz (max) / Material is Passivated Stainless Steel

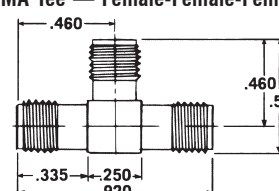
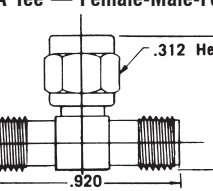
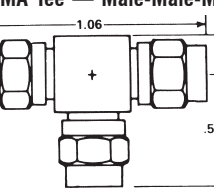
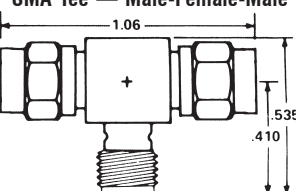
<p>SMA Male to SMA Male</p>  <p>.219 Across Flat .312 Hex .875</p>	<p>SMA Male to SMA Female*</p>  <p>.720</p> <p>*Quick connect available QSM-SF-S</p>	<p>SMA Female to SMA Female</p>  <p>.219 Across Flat .125 .500</p>	<p>Bulkhead SMA Female to SMA Female*</p>  <p>.375 Hex .065 .575 .875 .235 250ø MOUNTING HOLE</p> <p>*Hermetically sealed HBSF-SF-S</p>
SM-SM-S	SM-SF-S	SF-SF-S	BSF-SF-S

Frequency: DC-18GHz / VSWR: 1.20 GHz (max)
Material is Passivated Stainless Steel

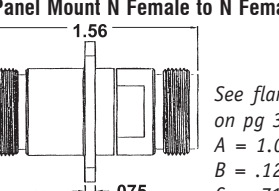
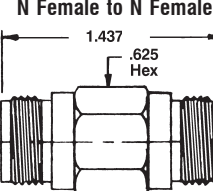
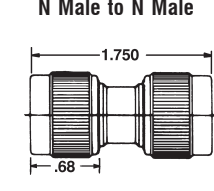
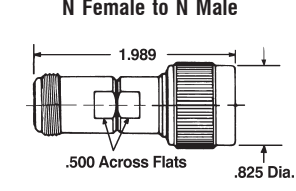
Frequency: DC-18GHz / VSWR: 1.15 GHz (max)
Material is Passivated Stainless Steel

<p>Right Angle SMA Male to SMA Female</p>  <p>.460 .625 .500 .330</p>	<p>Right Angle SMA Male to SMA Male</p>  <p>.625 .500 .312 Hex .312 Hex .500</p>	<p>SMA Female to SMA Female with Knurl</p>  <p>.875 .265</p>	<p>SMA Female Panel Adapter</p>  <p>.380 .690 .500</p> <p>See flange on pg 35 A = .500 B = .102 C = .340</p>
RSM-SF-S	RSM-SM-S	MDC3125S	MDC3145S / MDC3145S-2 (2 Hole)

Unmatched Power Dividers / Material is Passivated Stainless Steel

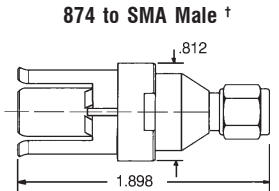
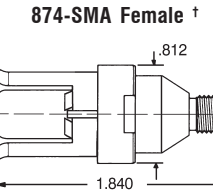
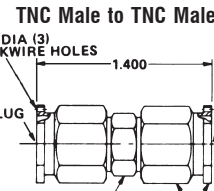
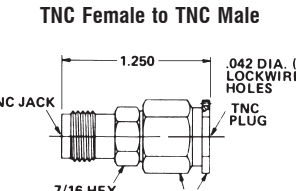
<p>SMA Tee — Female-Female-Female</p>  <p>.460 .460 .335 .250 .920</p>	<p>SMA Tee — Female-Male-Female</p>  <p>.312 Hex .55 .920</p>	<p>SMA Tee — Male-Male-Male</p>  <p>1.06 .655 .530</p>	<p>SMA Tee — Male-Female-Male</p>  <p>1.06 .535 .410</p>
SF-SF-SF-S	SF-SM-SF-S	SM-SM-SM-S	SM-SF-SM-S

Frequency: DC-18GHz / VSWR: 1.25 max / Material is Passivated Stainless Steel

<p>Panel Mount N Female to N Female</p>  <p>1.56 .742 .075</p> <p>See flange on pg 35 A = 1.000 B = .125 C = .718</p>	<p>N Female to N Female</p>  <p>1.437 .625 Hex</p>	<p>N Male to N Male</p>  <p>1.750 .68</p>	<p>N Female to N Male</p>  <p>1.989 .500 Across Flats .825 Dia.</p>
XPNF-NF	XNF-NF	XNM-NM	XNM-NF

SMA Material is Passivated Stainless Steel

Frequency: DC-18 GHz / VSWR: 1.25 max / Material is Passivated Stainless Steel

<p>874 to SMA Male †</p>  <p>.812 1.898</p>	<p>874-SMA Female †</p>  <p>.812 1.840</p>	<p>TNC Male to TNC Male</p>  <p>.042 DIA (3) LOCKWIRE HOLES 1.400 TNC PLUG 7/16 HEX 9/16 HEX TYP</p>	<p>TNC Female to TNC Male</p>  <p>1.250 .042 DIA (3) LOCKWIRE HOLES TNC JACK TNC PLUG 7/16 HEX 9/16 HEX</p>
874-SM	874-SF	XTM-TM	XTM-TF-S

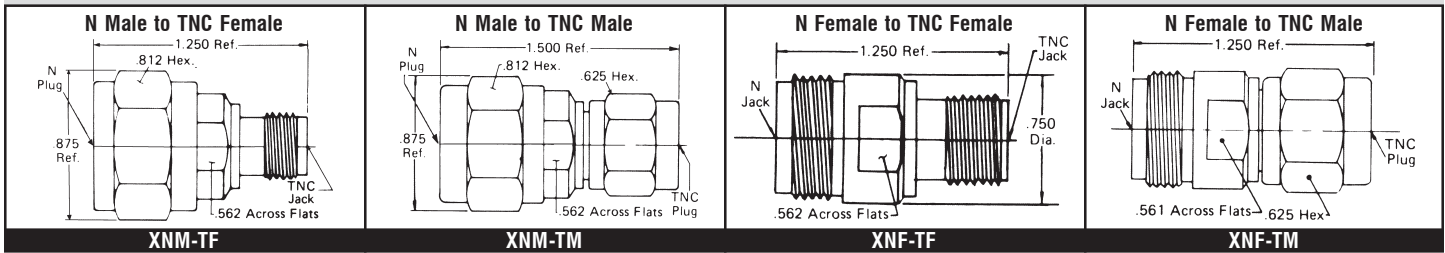
† 874 Adapters are available to BNC, C, HN, N, TNC, UHF, and other series. All dimensions are reference and are subject to slight changes.

Drop the last "S" in part number for gold-plated body where applicable.

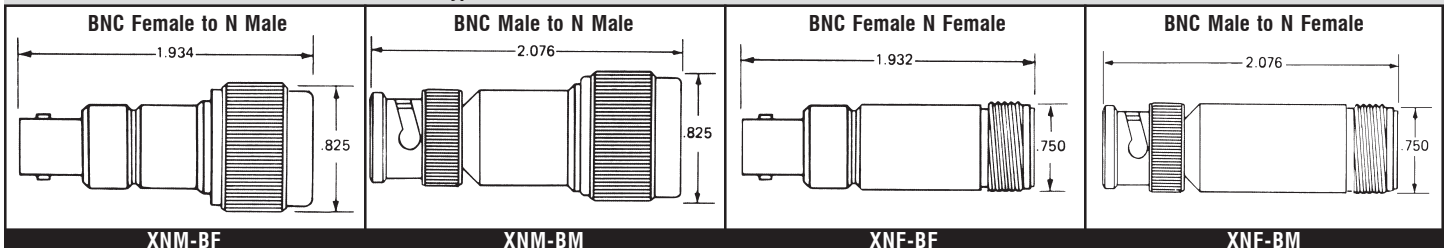
Coaxial Adapters

Precision Adapters

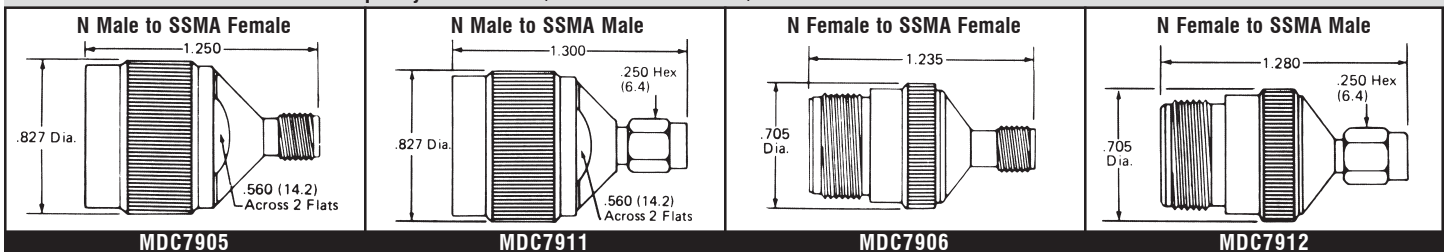
Material is Passivated Stainless Steel



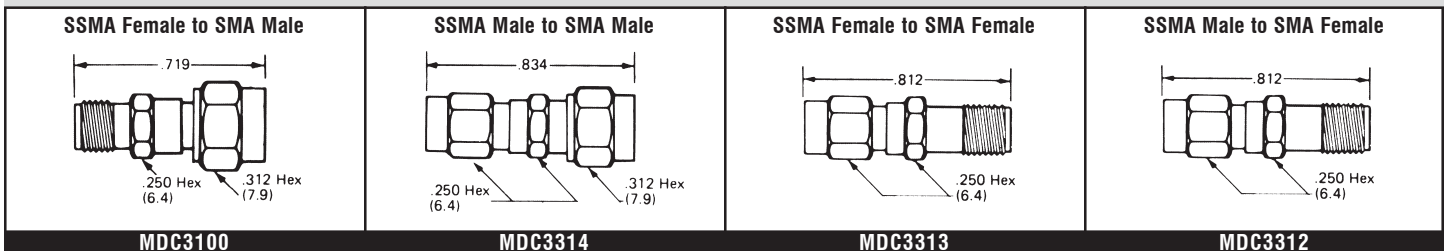
Type N: Passivated Stainless Steel / BNC: Nickel Plated Brass



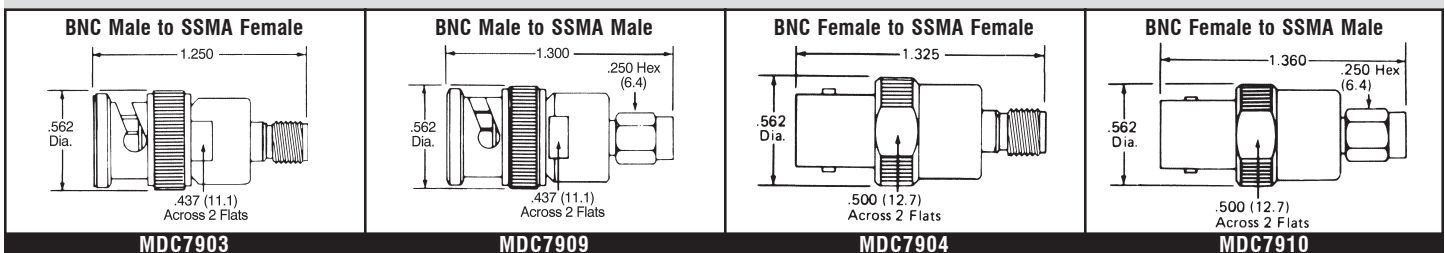
Frequency: DC-18GHz / VSWR: 1.30 max / Material is Passivated Stainless Steel



Material is Passivated or Gold Plated Stainless Steel



BNC: Nickel Plated Brass / SSMA: Passivated Stainless Steel



Dimensions are for reference and subject to change.

INTER SERIES ADAPTERS

INTRODUCTION & 2.4 MM, 2.9 MM INTER SERIES

Inter series coaxial adapters are some of the more common components used in RF, microwave and wireless applications. OEM's and manufacturing and engineering test facilities are continually required to provide temporary or permanent connections between the many coaxial series in use. This is particularly true today, where long-established connector series (N, TNC, BNC, 874, SMA, etc.) must be mated with less common or more recently introduced interfaces (3.5 mm, 2.9 mm, 2.4 mm, 7/16, SSMA, SSMB, SSMC, MCX, MMCX, 7 mm, etc).

Recognizing this need, COAXICOM maintains a large inventory of common and not-so-common inter and intra series adapters. This section covers the inter series, while the intra series are shown in the individual connector sections of this catalog. If you have a

requirement not shown in the catalog, please contact the factory for a prompt response.

The user should bear in mind that for best performance, the usable frequency range for a given adapter is established by the operating range of the lower frequency interface on the adapter. The recommended frequency range of each connector series is given on the specification sheet within each section. Most adapters are usable at higher frequencies within limitations.

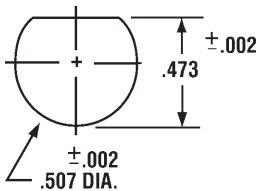
COAXICOM manufactures standard and precision adapters. Where applicable, standard adapters use an 'A' suffix in the part number and are usable to frequencies less than 12 GHz for N and TNC, or up to the recommended frequency range for the other series. Most are nickel-plated brass.

Precision adapters feature stainless steel construction for a more precise interface, and an extended frequency range for the N and TNC series. In the case of precision N, TNC or SMA's interfaced with lower frequency series, the precise construction and stepped internal transition yields improved performance beyond the normal operating range of the lower frequency series.

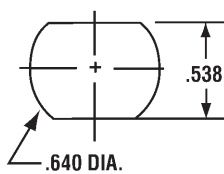
NOTES:

1. 75 ohm SMB and SMC do not mate with the 50 ohm series.
2. 50 and 75 ohm Type N do not mate with each other.
3. 50 and 75 ohm BNC mate without restriction.
4. 50 and 75 ohm TNC mate without restriction.
5. SMA, 3.5 mm and 2.9 mm mate without restriction.

RECOMMENDED BULKHEAD MOUNTING HOLES



MOUNTING HOLE A



MOUNTING HOLE B

FREQ: DG - 18 GHz VSWR = 1.10 MAX	
022908-9	021908-9
7 MM TO 2.9 MM JACK	7 MM TO 2.4 MM JACK
1.36	1.42

FREQ: DC - 40 GHz VSWR = 1.10 (18 GHz), 1.20 (26.5 GHz), 1.30 (40 GHz)			
022100-9	022101-9	022102-9	022103-9
2.9 MM JACK TO 2.4 MM PLUG	2.9 MM PLUG TO 2.4 MM JACK	2.9 MM JACK TO 2.4 MM JACK	2.9 MM PLUG TO 2.4 MM PLUG
1.00 max	1.00 max	1.00 max	1.00 max

7 mm to 2.9 mm and 3.5 mm plugs and jacks are also available. Consult factory. See page 72 for additional choices. 2.4 mm, 2.9 mm and 3.5 mm intra series adapters are also available. Consult factory.

INTER SERIES ADAPTERS SMA TO N, SSMA, TNC

FREQUENCY: DC-18 GHz SMA TO SSMA VSWR: 1.30 (MAX)			
3313-9	3100-9	3312-9	3314-9
SMA FEMALE TO SSMA FEMALE	SMA MALE TO SSMA FEMALE	SMA FEMALE TO SSMA MALE	SMA MALE TO SSMA MALE

FREQUENCY: DC-18 GHz N TO SMA VSWR: 1.05 + 007f (GHz)			
3077-9	3080-9	3098-9	3079-9
N MALE TO SMA FEMALE	N MALE TO SMA MALE	N FEMALE TO SMA FEMALE	N FEMALE TO SMA MALE

FREQUENCY: DC-18 GHz PANEL MOUNT N TO SMA VSWR: 1.05 + 007f (GHz)			
3914-9	3907-9	3099-9	3081-9
N MALE TO SMA MALE	N MALE TO SMA FEMALE	N FEMALE TO SMA MALE	N FEMALE TO SMA FEMALE

FREQUENCY: DC-15 GHz TNC TO SMA VSWR: 1.04 + 005f (GHz)			
3075-9	3078-9	3083-9	3076-9
TNC MALE TO SMA FEMALE	TNC MALE TO SMA MALE	TNC FEMALE TO SMA FEMALE	TNC FEMALE TO SMA MALE

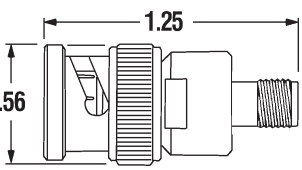
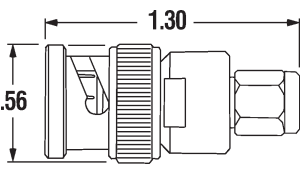
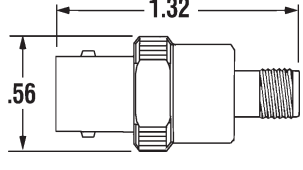
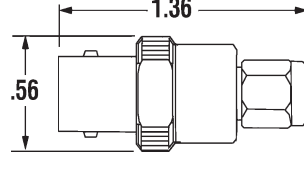
- *- 1 indicates gold plating
- 7 indicates nickel plating
- 9 indicates passivated (stainless finish)

For lower frequency applications add "A" to basic part number. Additional adapters not shown, are usually available from stock. Please contact COAXICOM.

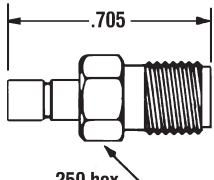
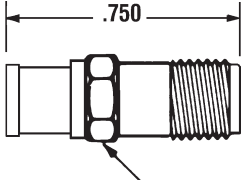
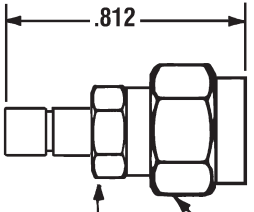
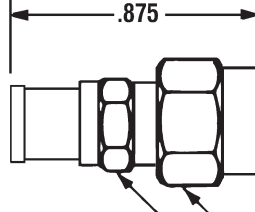
INTER SERIES ADAPTERS

SMA, SMB, SMC, BNC, 874

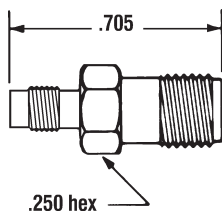
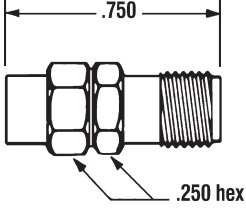
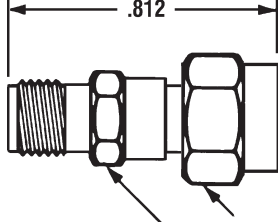
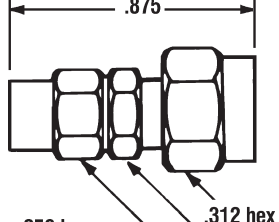
BNC TO SMA

3107-*	3103-*	3101-*	3102-*
BNC MALE TO SMA FEMALE	BNC MALE TO SMA MALE	BNC FEMALE TO SMA FEMALE	BNC FEMALE TO SMA MALE
			

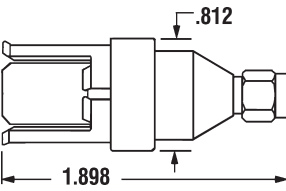
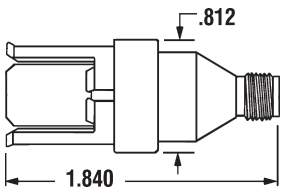
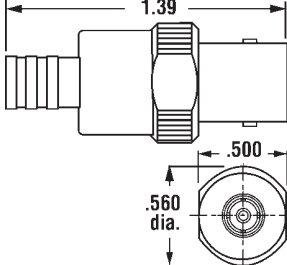
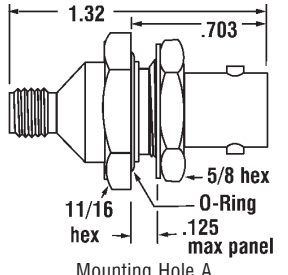
SMB TO SMA

3033-*	3034-*	3037-*	3038-*
SMA FEMALE TO SMB MALE	SMA FEMALE TO SMB FEMALE	SMA MALE TO SMB MALE	SMA MALE TO SMB FEMALE
			

FREQUENCY DC-10 GHz SMC TO SMA VSWR 1.04 + .007f (GHz) MAX.

3035-*	3036-*	3039-*	3040-*
SMA FEMALE TO SMC MALE	SMA FEMALE TO SMC FEMALE	SMA MALE TO SMC MALE	SMA MALE TO SMC FEMALE
			

874 TO SMA

3915-9	3916-9	2524F-7-3	3108-*
874 TO SMA MALE	874 TO SMA FEMALE	BNC FEMALE TO SMB MALE	BULKHEAD BNC FEMALE TO SMA FEMALE
			

- * - 1 indicates gold plating,
- 7 indicates nickel plating
- 9 indicates passivated (stainless finish)

For lower frequency applications add "A" to basic part number. Additional adapters not shown, are usually available from stock. Please contact COAXICOM.

INTER SERIES ADAPTERS

BNC, N, TNC, SMB, SMC (50 Ω), & 75 Ω SCREW-ON & SNAP-ON

SMB TO SMC			
6000-*	6001-*	6002-*	6003-*
SMB MALE JACK TO SMC MALE JACK	SMB MALE JACK TO SMC FEMALE PLUG	SMB FEMALE PLUG TO SMC FEMALE PLUG	SMB FEMALE PLUG TO SMC MALE JACK

N TO SMB, SMC (50 Ω), AND 75 Ω SCREW-ON & SNAP-ON				
To	Suffix	5529-*()	5530-*()	5556-*()
SMC Male Jack	- 1	N PLUG 	N BULKHEAD JACK FRONT MOUNT 	N BULKHEAD PLUG REAR MOUNT
SMC Female Plug	- 2			
SMB Male Jack	- 3			
SMB Female Plug	- 4			
75 Ω Screw-On Male Jack	- 5			
75 Ω Screw-On Female Plug	- 6			
75 Ω Snap-On Male Jack	- 7 †			
75 Ω Snap-On Female Plug	- 8 †			

TNC TO SMB, SMC (50 Ω), AND 75 Ω SCREW-ON & SNAP-ON				
To	Suffix	4574-*()	4533-*()	4564-*()
SMC Male Jack	- 1	TNC PLUG 	TNC BULKHEAD JACK FRONT MOUNT 	TNC BULKHEAD JACK REAR MOUNT
SMC Female Plug	- 2			
SMB Male Jack	- 3			
SMB Female Plug	- 4			
75 Ω Screw-On Male Jack	- 5			
75 Ω Screw-On Female Plug	- 6			
75 Ω Snap-On Male Jack	- 7 †			
75 Ω Snap-On Female Plug	- 8 †			

BNC TO SMB, SMC (50 Ω), AND 75 Ω SCREW-ON & SNAP-ON				
To	Suffix	2524-*()	2525-*()	2571-*()
SMC Male Jack	- 1	BNC PLUG 	BNC BULKHEAD JACK FRONT MOUNT 	BNC BULKHEAD JACK REAR MOUNT
SMC Female Plug	- 2			
SMB Male Jack	- 3			
SMB Female Plug	- 4			
75 Ω Screw-On Male Jack	- 5			
75 Ω Screw-On Female Plug	- 6			
75 Ω Snap-On Male Jack	- 7 †			
75 Ω Snap-On Female Plug	- 8 †			

* - 1 indicates gold plating
 - 7 indicates nickel plating
 These series are nickel-plated brass.

† All Suffix "7" and "8" adapters are available as true 75 ohm connectors by adding /75 after basic part number. The Snap-On side can also be specified as a 75 ohm mini-SMB by adding an "M" after the "7" or "8" suffix. For example, a true 75 ohm BNC plug to a mini-SMB Snap-On male jack adapter would be a 2524/75-(*)-7M.

INTER SERIES ADAPTERS SSMA & 874 TO BNC & TYPE N



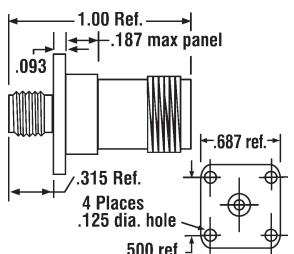
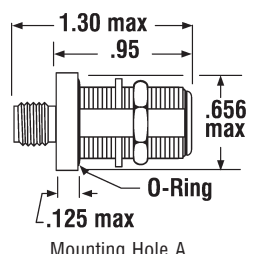
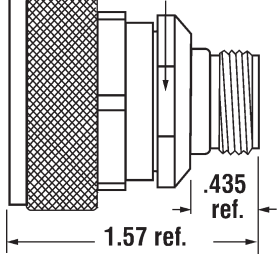
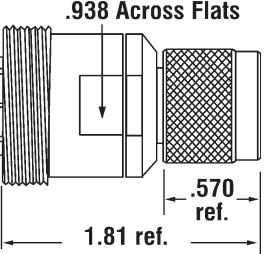
SSMA TO TNC			
7913-9	7907-9	7914-9	7908-9
TNC MALE TO SSMA MALE	TNC MALE TO SSMA FEMALE	TNC FEMALE TO SSMA MALE	TNC FEMALE TO SSMA FEMALE
FREQUENCY DC-18 GHz SSMA TO N VSWR 1.30 MAX.			
7911-9	7905-9	7912-9	7906-9
N MALE TO SSMA MALE	N MALE TO SSMA FEMALE	N FEMALE TO SSMA MALE	N FEMALE TO SSMA FEMALE
SSMA TO BNC			
7909-9	7903-9	7910-9	7904-9
BNC MALE TO SSMA MALE	BNC MALE TO SSMA FEMALE	BNC FEMALE TO SSMA MALE	BNC FEMALE TO SSMA FEMALE
874 TO BNC		874 TO TYPE N	
2917-7	2918-7	5919-7	5920-7
874 TO BNC MALE	874 TO BNC FEMALE	874 TO TYPE N MALE	874 TO TYPE N FEMALE

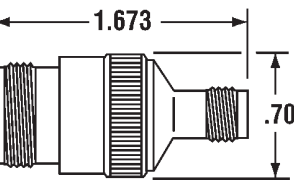
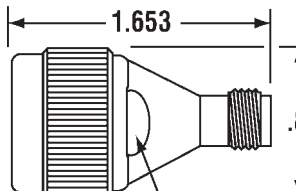
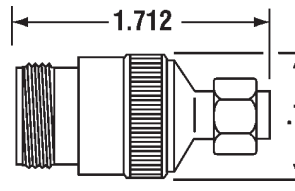
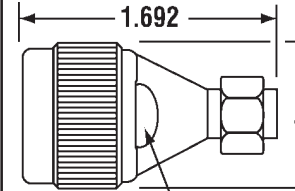
- * - 1 indicates gold plating,
- 7 indicates nickel plating
- 9 indicates passivated (stainless finish)

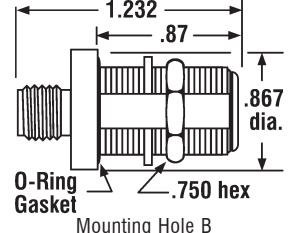
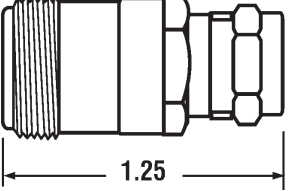
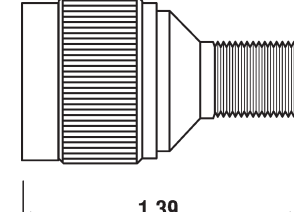
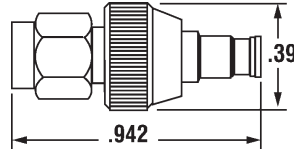
For lower frequency applications add "A" to basic part number. Additional adapters not shown, are usually available from stock. Please contact COAXICOM

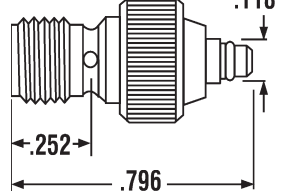
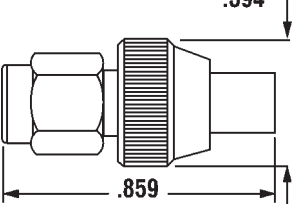
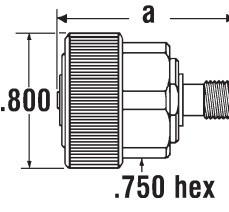
INTER SERIES ADAPTERS

TNC, 7/16, 3.5 MM, TYPE N, 7 MM

FREQ: DC - 15 GHz VSWR = 1.20		FREQ: DC - 7.5 GHz VSWR = 1.35	
3084-*	3032-*	5671-*	5670-*
PANEL MOUNT TNC FEMALE TO SMA FEMALE 	BULKHEAD MOUNT TNC FEMALE TO SMA FEMALE 	7/16 MALE TO N FEMALE .938 Across Flats 	7/16 FEMALE TO N MALE .938 Across Flats 

FREQ: DC - 18 GHz VSWR = 1.20			
5908A-9	5908-9	5909B-9	5909-9
N FEMALE TO 3.5mm FEMALE 	N MALE TO 3.5mm FEMALE 	N FEMALE TO 3.5mm MALE 	N MALE TO 3.5mm MALE 

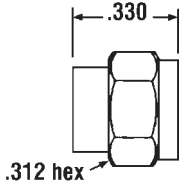
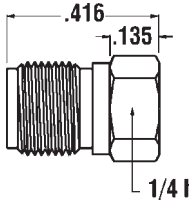
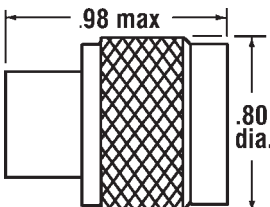
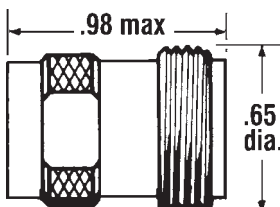
3300-*	5208-75-*	5205-75-*	3044-*
BULKHEAD MOUNT N FEMALE TO SMA FEMALE FREQ: DC - 18 GHz VSWR = 1.25 	75 OHM N FEMALE TO TYPE F MALE 	75 OHM N MALE TO TYPE F FEMALE 	SMA MALE TO MCX MALE 

3046-*	3049-*	DC-18 GHz 7MM INTER SERIES ADAPTERS																																													
SMA FEMALE TO MMCX MALE 	SMA MALE TO MMCX FEMALE 	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Part #</th> <th>a</th> <th>VSWR (max)</th> <th>To</th> </tr> </thead> <tbody> <tr> <td>3713-9</td> <td>1.672</td> <td>1.01 + 0.002f (GHz)</td> <td>N Jack</td> </tr> <tr> <td>3712-9</td> <td>1.813</td> <td>1.01 + 0.002f (GHz)</td> <td>N Plug</td> </tr> <tr> <td>3711-9</td> <td>1.609</td> <td>1.01 + 0.006f (GHz)</td> <td>TNC Jack</td> </tr> <tr> <td>3710-9</td> <td>1.750</td> <td>1.01 + 0.006f (GHz)</td> <td>TNC Plug</td> </tr> <tr> <td>2701-9</td> <td>1.609</td> <td>1.035 @ 4 GHz</td> <td>BNC Jack</td> </tr> <tr> <td>2702-9</td> <td>1.719</td> <td>1.035 @ 4 GHz</td> <td>BNC Plug</td> </tr> <tr> <td>3908-9</td> <td>1.310</td> <td>1.02 + 0.0025f (GHz)</td> <td>SMA Jack</td> </tr> <tr> <td>3909-9</td> <td>1.390</td> <td>1.02 + 0.0025f (GHz)</td> <td>SMA Plug</td> </tr> <tr> <td>7901-9</td> <td>2.000</td> <td>1.01 + 0.005f (GHz)</td> <td>SSMA Jack</td> </tr> <tr> <td>7902-9</td> <td>2.000</td> <td>1.01 + 0.005f (GHz)</td> <td>SSMA Plug</td> </tr> </tbody> </table>	Part #	a	VSWR (max)	To	3713-9	1.672	1.01 + 0.002f (GHz)	N Jack	3712-9	1.813	1.01 + 0.002f (GHz)	N Plug	3711-9	1.609	1.01 + 0.006f (GHz)	TNC Jack	3710-9	1.750	1.01 + 0.006f (GHz)	TNC Plug	2701-9	1.609	1.035 @ 4 GHz	BNC Jack	2702-9	1.719	1.035 @ 4 GHz	BNC Plug	3908-9	1.310	1.02 + 0.0025f (GHz)	SMA Jack	3909-9	1.390	1.02 + 0.0025f (GHz)	SMA Plug	7901-9	2.000	1.01 + 0.005f (GHz)	SSMA Jack	7902-9	2.000	1.01 + 0.005f (GHz)	SSMA Plug	
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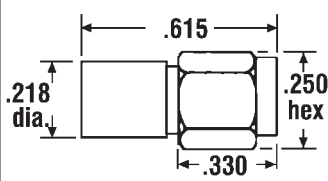
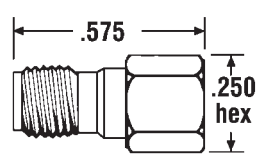
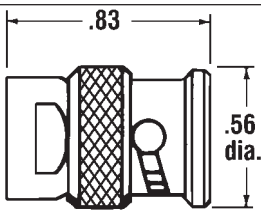
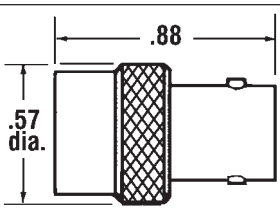
*- 1 indicates gold plating,
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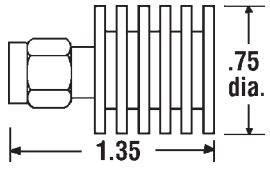
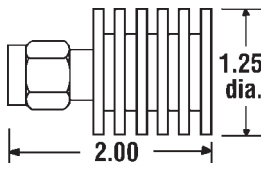
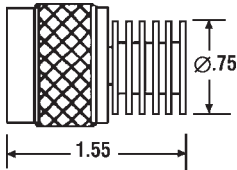
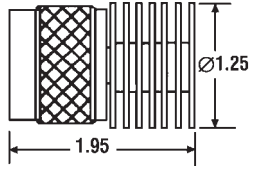
For lower frequency applications add "A" to basic part number. Additional adapters not shown, are usually available from stock. Please contact COAXICOM.

COMPONENTS - TERMINATIONS & ATTENUATORS

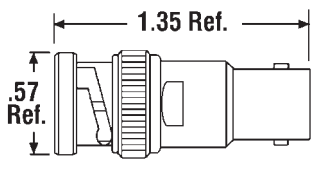
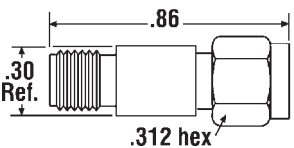
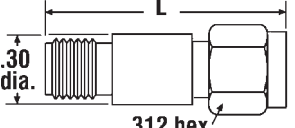
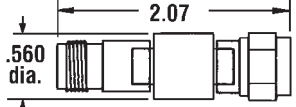
DC-18 GHz SMA TERMINATIONS VSWR 1.20:1 MAX.		DC-18 GHz TYPE N TERMINATIONS VSWR 1.25:1 MAX.	
3900-*	3900F-*	5900-9	5900F-9
1 WATT AVERAGE 1 KW PEAK POWER	1 WATT AVERAGE 1 KW PEAK POWER	2 WATTS AVERAGE 1 KW PEAK POWER	2 WATTS AVERAGE 1 KW PEAK POWER
 <p>.330 .312 hex 3900Q- *Quick Connect</p>	 <p>.416 .135 1/4 hex</p>	 <p>.98 max .80 dia.</p>	 <p>.98 max .65 dia.</p>

THE 3900, 5900, 7900 AND 2900 SERIES ARE AVAILABLE WITH BEAD CHAINS BY ADDING IC AT END OF PART NUMBER

DC-30 GHz SSMA TERMINATIONS		BNC TERMINATIONS DC TO 4 GHz	
7900M-*	7900F-*	2900M-7	2900F-7
0.5 WATT AVERAGE 0.5 KW PEAK POWER	0.5 WATT AVERAGE 0.5 KW PEAK POWER	2 WATTS AVERAGE 0.25 KW PEAK POWER	2 WATTS AVERAGE 0.25 KW PEAK POWER
 <p>.615 .218 dia. .250 hex .330</p> <p>VSWR: 1.35:1 to 26 GHz, 1.45:1 to 30 GHz</p>	 <p>.575 .250 hex</p> <p>VSWR: 1.35:1 to 26 GHz, 1.45:1 to 30 GHz</p>	 <p>.83 .56 dia.</p> <p>VSWR: 1.15:1 to 3 GHz, 1.20:1 to 4 GHz</p>	 <p>.88 .57 dia.</p> <p>VSWR: 1.15:1 to 3 GHz, 1.20:1 to 4 GHz</p>

SMA MALE 18 GHz TERMINATION		TYPE N MALE 18 GHz TERMINATION	
3900-5	3900-15	5900-5	5900-15
AVERAGE POWER 5 W PEAK POWER 2 KW VSWR 1.25:1 MAX.	AVERAGE POWER 15 W PEAK POWER 2 KW VSWR 1.35:1 MAX.	AVERAGE POWER 5 W PEAK POWER 2 KW VSWR 1.25:1 MAX.	AVERAGE POWER 15 W PEAK POWER 2 KW VSWR 1.25:1 MAX.
 <p>.75 dia. 1.35</p> <p>Add "F" to Part No. for Female Also Available in BNC and TNC</p>	 <p>1.25 dia. 2.00</p> <p>Add "F" to Part No. for Female Also Available in BNC and TNC</p>	 <p>Ø.75 1.55</p> <p>Add "F" to Part No. for Female Also Available in BNC and TNC</p>	 <p>Ø1.25 1.95</p> <p>Add "F" to Part No. for Female Also Available in BNC and TNC</p>

NOTE: ATTENUATORS AVAILABLE IN ADDITIONAL VALUES THAN THOSE SHOWN. CALL FOR AVAILABILITY.

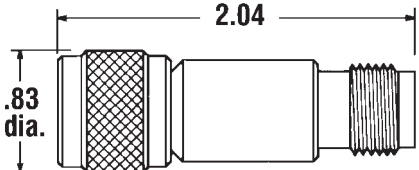
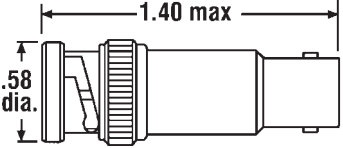
BNC, SMA 50 Ω FEEDTHROUGH TERMINATIONS (2 WATTS)		SMA, TNC ATTENUATORS (2 W AVG., .25 KW PEAK POWER)																													
2989-50-*	3989-*	3910-(DB)	4910-(DB)																												
BNC: VSWR 1.20:1 FREQUENCY: 500 MHz	SMA: VSWR 1.25:1 FREQUENCY: 1 GHz	SMA: DC-18 GHz VSWR: 1.35:1 MAX	TNC: DC-18 GHz VSWR: 1.35:1 MAX																												
 <p>1.35 Ref. .57 Ref.</p> <p>75, 100 Ω Also Available</p>	 <p>.86 .30 Ref. .312 hex</p>	 <p>.30 dia. L .312 hex</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>DB</th> <th>L=Length</th> <th>DB</th> <th>L=Length</th> </tr> </thead> <tbody> <tr> <td>3 ± .3</td> <td>.86</td> <td>15 ± .5</td> <td>.98 max</td> </tr> <tr> <td>6 ± .3</td> <td>.86</td> <td>20 ± .5</td> <td>.98 max</td> </tr> <tr> <td>10 ± .3</td> <td>.86</td> <td>30 ± .75</td> <td>.98 max</td> </tr> </tbody> </table>	DB	L=Length	DB	L=Length	3 ± .3	.86	15 ± .5	.98 max	6 ± .3	.86	20 ± .5	.98 max	10 ± .3	.86	30 ± .75	.98 max	 <p>2.07 .560 dia.</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2">ACCURACY</th> </tr> </thead> <tbody> <tr> <td>3 ± .3 DB</td> <td></td> </tr> <tr> <td>6 ± .3 DB</td> <td></td> </tr> <tr> <td>7-20 ± .5 DB</td> <td></td> </tr> <tr> <td>21-30 ± .75 DB</td> <td></td> </tr> <tr> <td>40 ± 1.0 DB</td> <td></td> </tr> </tbody> </table>	ACCURACY		3 ± .3 DB		6 ± .3 DB		7-20 ± .5 DB		21-30 ± .75 DB		40 ± 1.0 DB	
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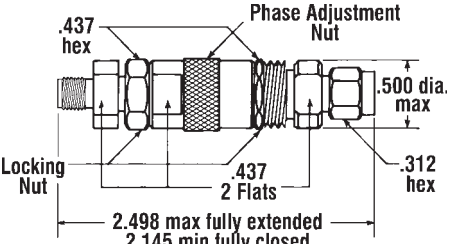
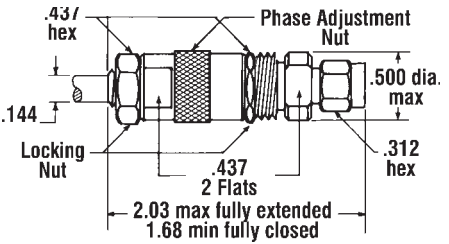
* 1 indicates gold plating, -7 indicates nickel plating, -9 indicates passivated (stainless steel)

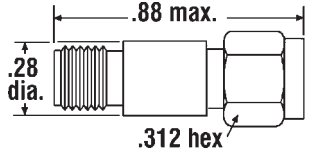
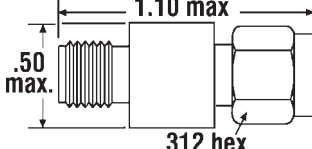
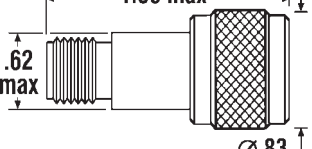
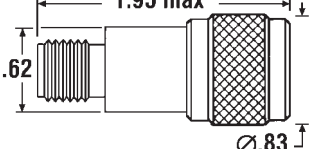
Coaxicom manufactures many more components than are shown. They include 2.9 mm and 7 mm attenuators, terminations, and DC blocks, as well as GPO6 attenuators. Additional products include attenuator kits, attenuator/DC Blocks, flange mount attenuators, and Type N to SMA adapter/attenuators. Attenuators and terminations to 300 watts are also available.

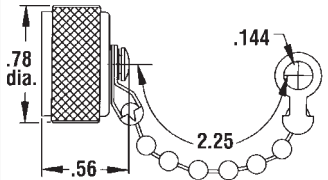
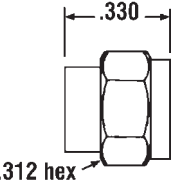
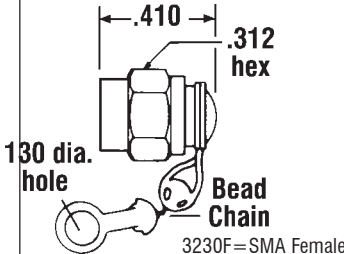
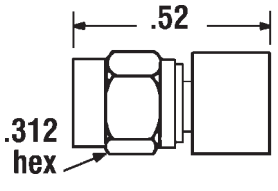
COMPONENTS - ATTENUATORS, PHASE ADJUSTERS, DC BLOCKS, DUST CAPS, SHORTS

NOTE: ATTENUATORS AVAILABLE IN ADDITIONAL VALUES THAN THOSE SHOWN. CALL FOR AVAILABILITY.

DC-18 GHz TYPE N ATTENUATORS VSWR 1.35:1 MAX.		BNC ATTENUATORS 50 AND 75 OHMS																																	
5910-(DB)		2910-(DB) / 2910-75-(DB)																																	
5 WATT AVERAGE	0.25 KW PEAK POWER	1 WATT AVERAGE	1 KW PEAK POWER																																
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	30 ± 1.5 dB																																		
*Also Available in 1.76" Length (up to 30 DB)		2 W 50 Ω, 4 GHz; & 2 W 75 Ω, 2 GHz Avail.																																	

DC-18 GHz PHASE ADJUSTABLE SMA ADAPTERS AND CONNECTORS		
3993-1	3993-2 & 3993-3	SPECIFICATIONS
MALE-FEMALE ADAPTER Part No. 3993A-1 for 4 GHz Unit	3993-2: MALE FOR RG402 SEMIRIGID 3993-3: MALE FOR RG405 SEMIRIGID	FREQUENCY: DC TO 18 GHz VSWR: 1.30:1 MAX. ADJUSTMENT RANGE: 10° X F(GHz) PHASE CHANGE (PER ADJUSTMENT NUT REVOLUTION): 0.636° X F(GHz) INSERTION LOSS: ADAPTER: 0.1 X {F(GHz)} ^{1/2} dB CONNECTOR: .08 X {F(GHz)} ^{1/2} dB VOLTAGE RATING: 500 VRMS DURABILITY: 500 CYCLES TEMPERATURE: -65° TO +125°C 3993-2: A=.088† 3993-3: A=.144†
		

DC-18 GHz SMA DC BLOCK VSWR 1.35:1 MAX.		DC-18 GHz TYPE N DC BLOCK VSWR 1.35:1 MAX.	
3985-9	3986-9	5985-9	5986-9
INNER ONLY, 0.5 DB LOSS	INNER, OUTER 0.5 DB LOSS	INNER ONLY, 0.5 DB LOSS	INNER, OUTER 0.5 DB LOSS
SMA FEMALE TO SMA MALE	SMA FEMALE TO SMA MALE	N FEMALE TO N MALE	N FEMALE TO N MALE
 <p style="text-align: center;">Also Available in Male/Male, Female/Female</p>	 <p style="text-align: center;">Also Available in Male/Male, Female/Female</p>	 <p style="text-align: center;">Also Available in Male/Male, Female/Female</p>	 <p style="text-align: center;">Also Available in Male/Male, Female/Female</p>

TYPE N MALE DUST CAPS	SMA MALE DUST CAPS		SMA MALE SHORT
5230-7	3113-*	3230-*	3994M-*
FEMALE AVAILABLE	WITHOUT CHAIN	WITH 2.0† BEAD CHAIN	
 <p style="text-align: center;">Part No. 5113-7 without Chain</p>	 <p style="text-align: center;">3113F=SMA Female</p>	 <p style="text-align: center;">3230F=SMA Female</p>	 <p style="text-align: center;">3994F=Female Add Suffix "C" for Chain</p>

* 1 indicates gold plating, -7 indicates nickel plating, -9 indicates passivated (stainless steel)

Coaxicom manufactures many more components than are shown. They include 2.9 mm and 7 mm attenuators, terminations, and DC blocks, as well as GPO δ attenuators. Additional products include attenuator kits, attenuator/DC Blocks, flange mount attenuators, and Type N to SMA adapter/attenuators. Attenuators and terminations to 300 watts are also available.