

RFC-ADT-67

COAXIAL ADAPTERS



Coaxial Adapter Series 1.85 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~67GHz

VSWR: 1.3 max.

Impedance: 50Ω

Environmental

Temperature: -55~+125 °C

Mechanical

RF Connectors: 1.85mm

Mating Life Cycle: 1000 cycles

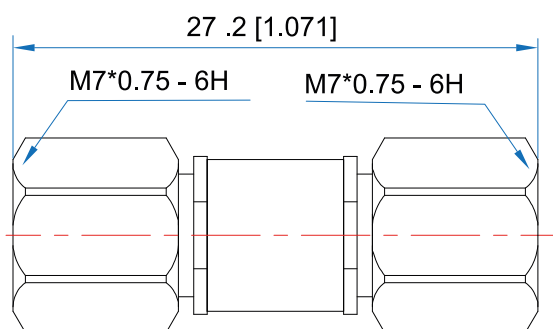
Outer Conductor: Passivated SUS303 Stainless Steel

Dielectric: PEI

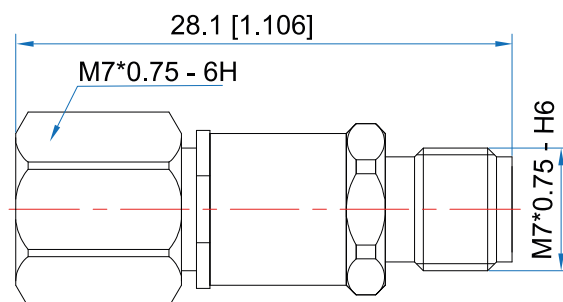
Inner Conductor: Gold Plated Beryllium

Copper

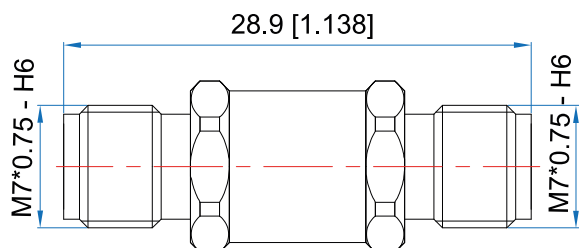
Outline Drawings



Outline A



Outline B



Outline C

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC67-185m-185m: 1.85mm(m)/1.85mm(m), Outline A

RFC67-185m-185f: 1.85mm(m)/1.85mm(f), Outline B

RFC67-185f-185f: 1.85mm(f)/1.85mm(f), Outline C

Coaxial Adapter Series 2.4 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~50GHz

VSWR: 1.2 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: 2.4mm

Mating Life Cycle: 5000 cycles

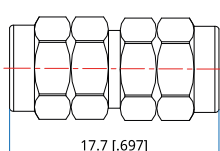
Outer Conductor: Passivated SUS303 Stainless Steel

Dielectric: PEI

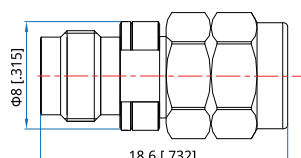
Inner Conductor: Gold Plated Beryllium

Copper

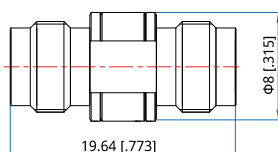
Outline Drawings



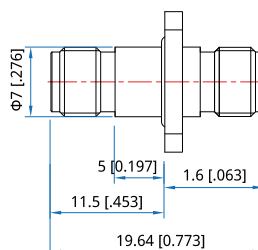
Outline A



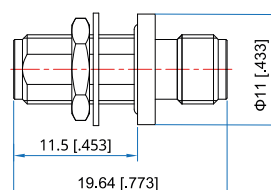
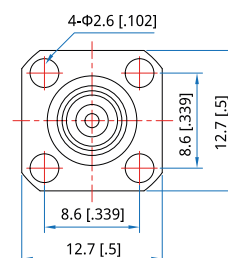
Outline B



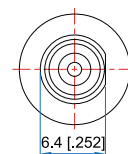
Outline C



Outline D



Outline E



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC50-24m-24m: 2.4mm(m)/2.4mm(m), Outline A

RFC50-24m-24f: 2.4mm(m)/2.4mm(f), Outline B

RFC50-24f-24f: 2.4mm(f)/2.4mm(f), Outline C

RFC50-24f-24f(FL): 2.4mm(f)/2.4mm(f) flange mount, Outline D

RFC50-24f-24f(BH): 2.4mm(f)/2.4mm(f) bulkhead, Outline E

Coaxial Adapter Series 2.92 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~40GHz

VSWR: 1.15 max.

1.25 max. for right angle

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: 2.92mm

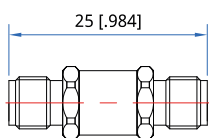
Mating Life Cycle: 500 cycles

Outer Conductor: SUS303 Stainless Steel

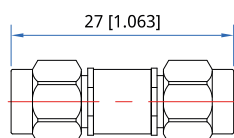
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

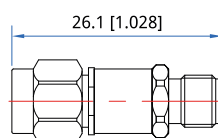
Outline Drawings



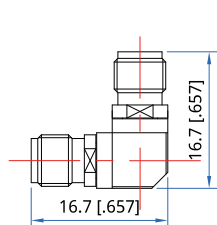
Outline A



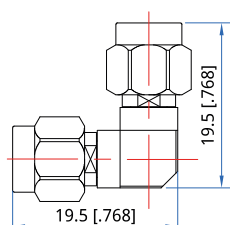
Outline B



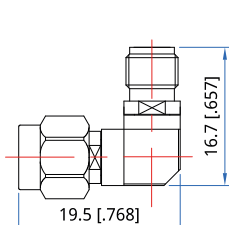
Outline C



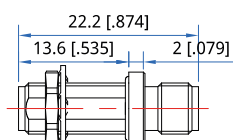
Outline D



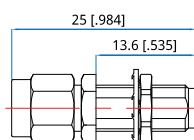
Outline E



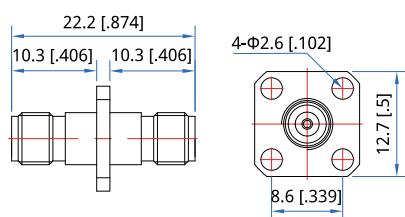
Outline F



Outline G



Outline H



Outline I

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

RFC40-29f-29f: 2.92mm(f)/2.92mm(f), Outline A

RFC40-29m-29m: 2.92mm(m)/2.92mm(m), Outline B

RFC40-29m-29f: 2.92mm(m)/2.92mm(f), Outline C

RFC40-29f-29f(RA): 2.92mm(f)/2.92mm(f) right angle, Outline D

RFC40-29m-29m(RA): 2.92mm(m)/2.92mm(m) right angle, Outline E

RFC40-29m-29f(RA): 2.92mm(m)/2.92mm(f) right angle, Outline F

RFC40-29f-29f(BH): 2.92mm(f)/2.92mm(f) bulkhead, Outline G

RFC40-29m-29f(BH): 2.92mm(m)/2.92mm(f) bulkhead, Outline H

RFC40-29f-29f(FL): 2.92mm(f)/2.92mm(f) flange mount, Outline I

Coaxial Adapter Series 3.5 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~33GHz

VSWR: 1:18 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: 3.5mm

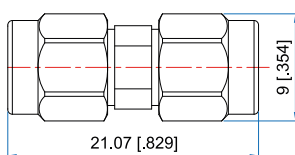
Mating Life Cycle: 5000 cycles

Outer Conductor: SUS303 Stainless Steel

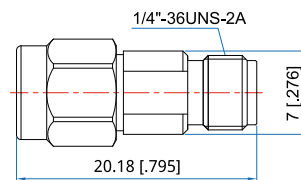
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

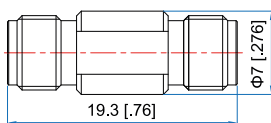
Outline Drawings



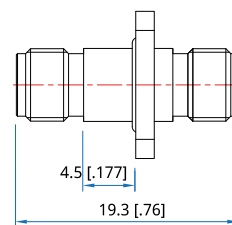
Outline A



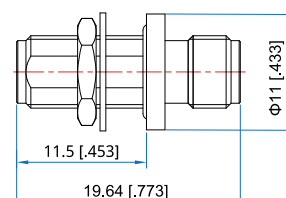
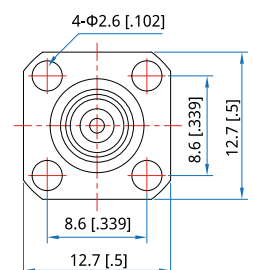
Outline B



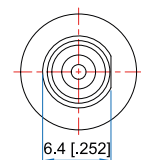
Outline C



Outline D



Outline E



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC33-35m-35m: 3.5mm(m)/3.5mm(m), Outline A

RFC33-35m-35f: 3.5mm(mm)/3.5mm(f), Outline B

RFC33-35f-35f: 3.5mm(f)/3.5mm(f), Outline C

RFC33-35f-35f(FL): 3.5mm(f)/3.5mm(f) flange, Outline D

RFC33-35f-35f(BH): 3.5mm(f)/3.5mm(f) bulkhead, Outline E

Coaxial Adapter Series SMA

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

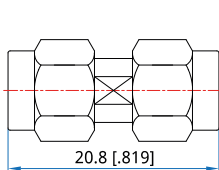
Electrical

Frequency: DC~26.5GHz
 DC~18GHz (right angle)
 VSWR: 1.15 typ. 1.2 max.
 Impedance: 50Ω

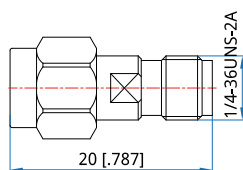
Environmental

Temperature: -60~+165 °C

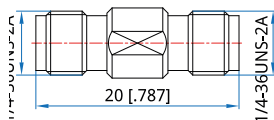
Outline Drawings



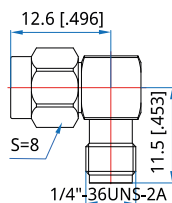
Outline A



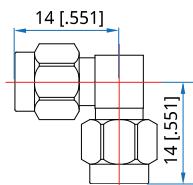
Outline B



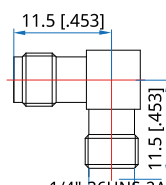
Outline C



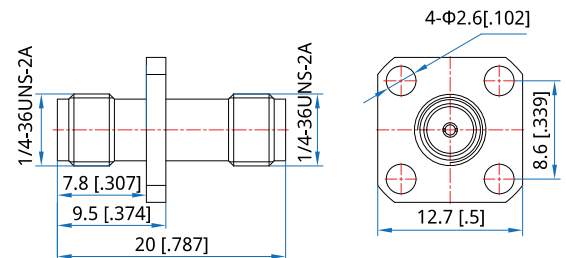
Outline D



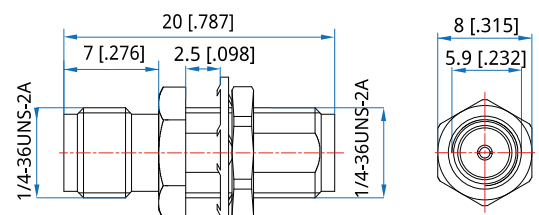
Outline E



Outline F



Outline G



Outline H

RFC26-Sm-Sm: SMA(m)/SMA(m), Outline A

RFC26-Sm-Sf: SMA(m)/SMA(f), Outline B

RFC26-Sf-Sf: SMA(f)/SMA(f), Outline C

RFC26-Sm-Sf(RA): SMA(m)/SMA(f) right angle, Outline D

RFC26-Sm-Sm(RA): SMA(m)/SMA(m) right angle, Outline E

RFC26-Sf-Sf(RA): SMA(f)/SMA(f) right angle, Outline F

RFC26-Sf-Sf(FL): SMA(f)/SMA(f) flange mount, Outline G

RFC26-Sf-Sf(BH): SMA(f)/SMA(f) bulkhead, Outline H

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Coaxial Adapter Series N

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz

VSWR: 1.2 max.

1.25 max. for bulk head

Impedance: 50Ω

Environmental

Temperature: -55~+85 °C

Mechanical

RF Connectors: N

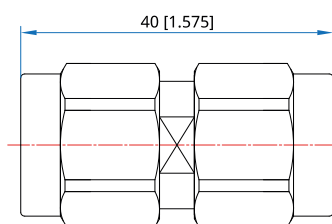
Mating Life Cycle: 500 cycles

Outer Conductor: Passivated Stainless Steel

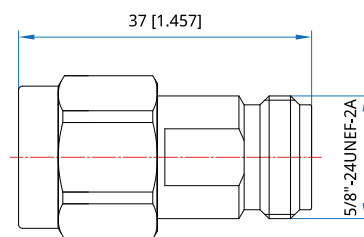
Dielectric: PTFE

Inner Conductor: Gold Plated Brass

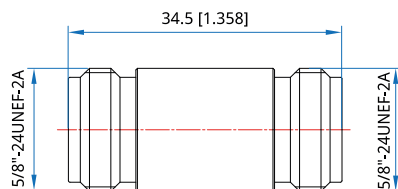
Outline Drawings



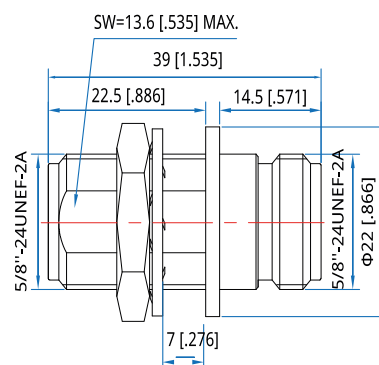
Outline A



Outline B



Outline C



Outline D

Interface:

RFC18-Nm-Nm: N(m)/N(m), Outline A

RFC18-Nm-Nf: N(m)/N(f), Outline B

RFC18-Nf-Nf: N(f)/N(f), Outline C

RFC18-Nf-Nf(BH): N(f)/N(f) bulkhead, Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Coaxial Adapter Series TNC

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz
 VSWR: 1.25 max.
 VSWR (Right Angle): 1.5 max.
 Impedance: 50Ω

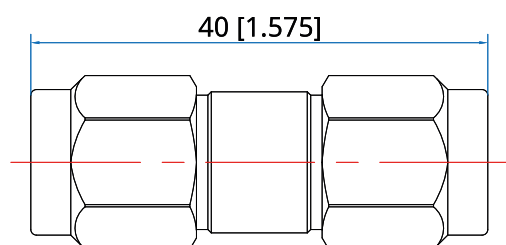
Environmental

Temperature: -50~+85 °C

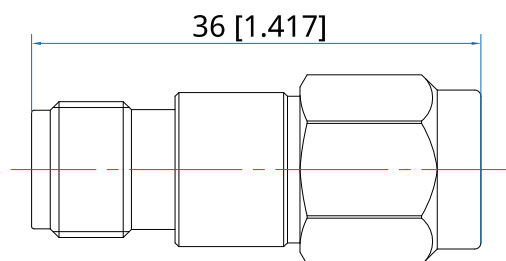
Mechanical

RF Connectors: TNC
 Mating Life Cycle: 500 cycles
 Outer Conductor: SUS303 Stainless Steel
 Dielectric: PTFE
 Inner Conductor: Gold Plated Beryllium Copper

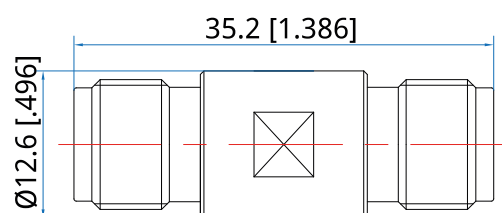
Outline Drawings



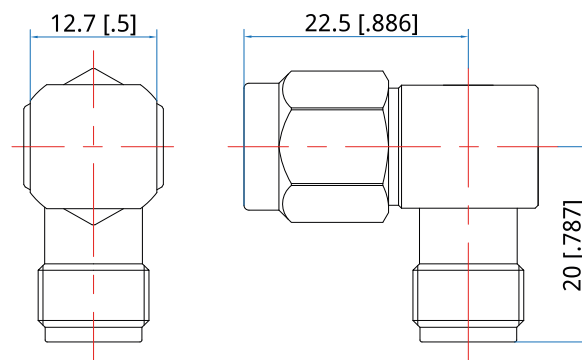
Outline A - TNC (m) to TNC (m)



Outline B - TNC (m) to TNC (f)



Outline C - TNC (f) to TNC (f)



Outline D - TNC (m) to TNC (f), Right Angle

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC18-Tm-Tm: TNC(m)/TNC(m), Outline A

RFC18-Tm-Tf: TNC(m)/TNC(f), Outline B

RFC18-Tm-Tf: TNC(f)/TNC(f), Outline C

RFC18-Tm-Tf(RA): TNC(f)/TNC(f) right angle, Outline D

RFC-ADT-6

COAXIAL ADAPTERS



Coaxial Adapter Series SC

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~6GHz

VSWR: 1.25 max.

Impedance: 50Ω

Environmental

Temperature: -55~+85 °C

Mechanical

RF Connectors: SC

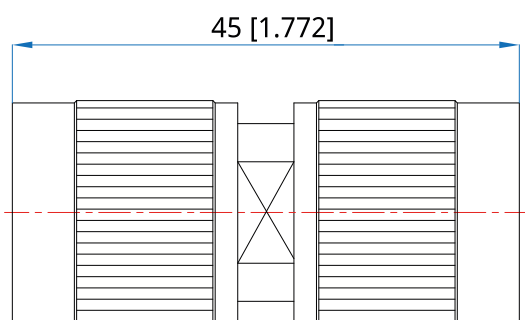
Mating Life Cycle: 500 cycles

Outer Conductor: Nickel Plated Brass or
SUS303 Stainless Steel

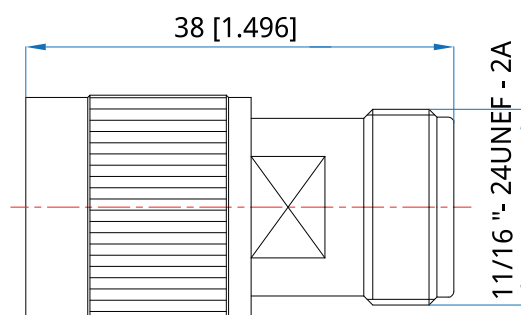
Dielectric: PTFE

Inner Conductor: Gold Plated Tin-phosphor
Bronze

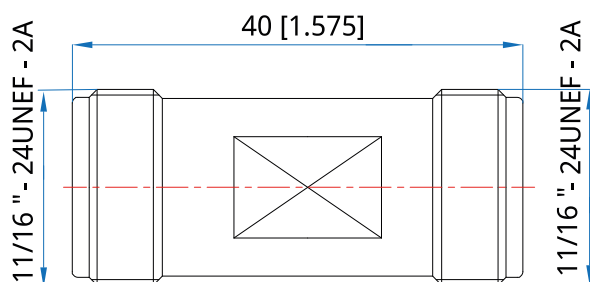
Outline Drawings



Outline A



Outline B



Outline C

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC6-SCm-SCm: SC(m)/SC(m), Outline A

RFC6-SCm-SCf: SC(m)/SC(f), Outline B

RFC6-SCf-SCf: SC(f)/SC(f), Outline C

Coaxial Adapter Series 1.85 mm/2.4 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~50GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -55~+125 °C

Mechanical

RF Connectors: 1.85mm, 2.4mm

Mating Life Cycle: 1000 cycles

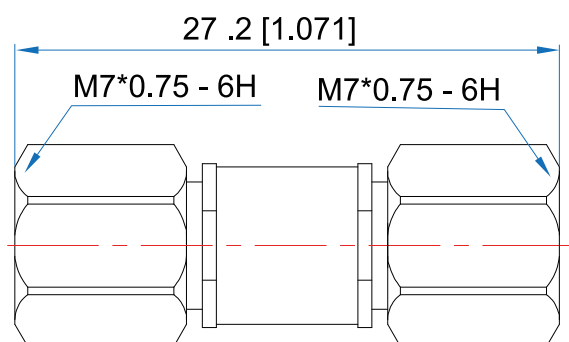
Outer Conductor: Passivated SUS303 Stainless, Steel

Dielectric: PEI

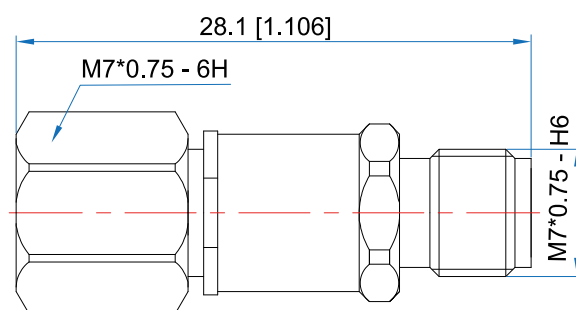
Inner Conductor: Gold Plated Beryllium

Copper

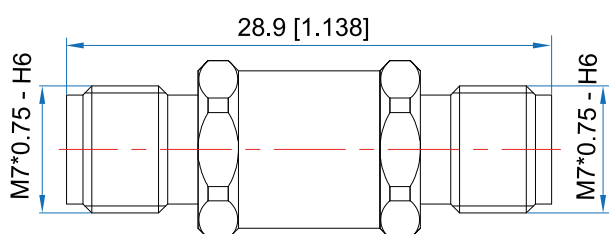
Outline Drawings



Outline A



Outline B



Outline C

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC50-185m-2.4m: 1.85mm(m)/2.4mm(m), Outline A

RFC50-185m-2.4f: 1.85mm(m)/2.4mm(f), Outline B

RFC50-185f-2.4m: 1.85mm(f)/2.4mm(m), Outline B

RFC50-185f-2.4f: 1.85mm(f)/2.4mm(f), Outline C

Coaxial Adapter Series 1.85 mm/2.92 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~40GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -55~+125 °C

Mechanical

RF Connectors: 1.85mm, 2.92mm

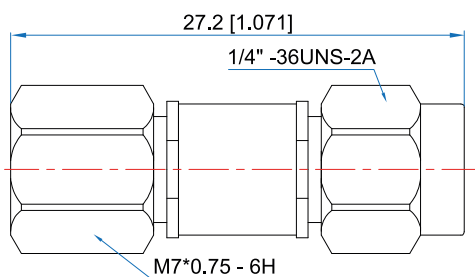
Mating Life Cycle: 1000 cycles

Outer Conductor: Passivated SUS303 Stainless, Steel

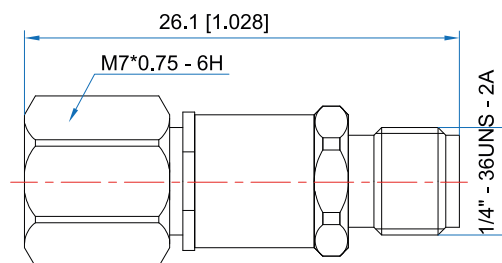
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

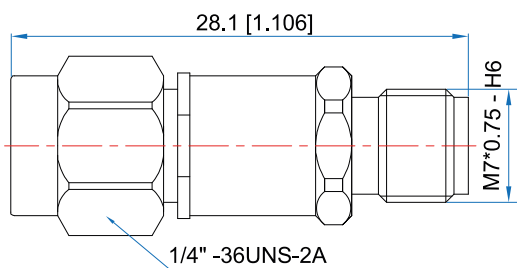
Outline Drawings



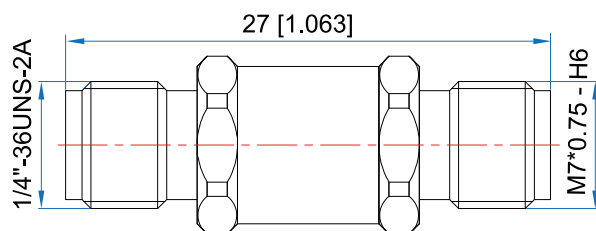
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC40-185m-2.9m: 1.85mm(m)/2.92mm(m), Outline A

RFC40-185m-2.9f: 1.85mm(m)/2.92mm(f), Outline B

RFC40-185f-2.9m: 1.85mm(f)/2.92mm(m), Outline C

RFC40-185f-2.9f: 1.85mm(f)/2.92mm(f), Outline D

Coaxial Adapter Series SSMP/2.4 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~40GHz

VSWR: 1.2 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: SSMP, 2.4mm

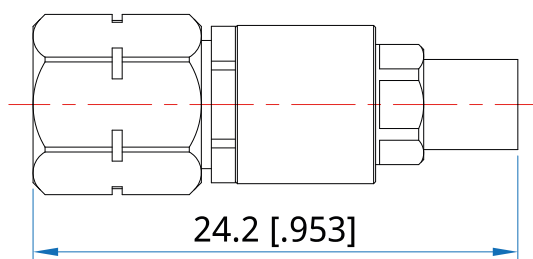
Mating Life Cycle: 5000 cycles

Outer Conductor: SUS303 Stainless Steel

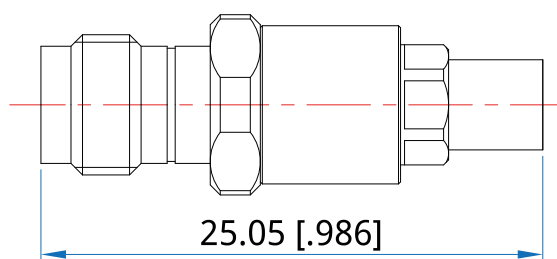
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

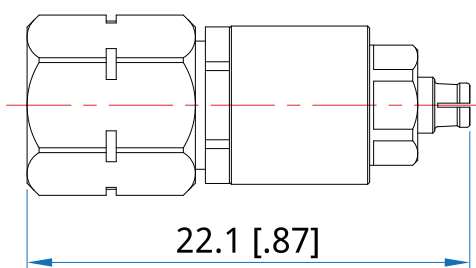
Outline Drawings



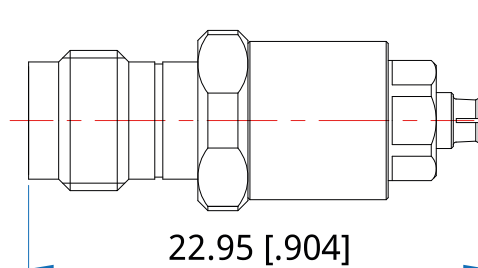
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC40-SSm-24m: SSMP(m)/2.4mm(m), Outline A

RFC40-SSm-24f: SSMP(m)/2.4mm(f), Outline B

RFC40-SSf-24m: SSMP(f)/2.4mm(m), Outline C

RFC40-SSf-24f: SSMP(f)/2.4mm(f), Outline D

Coaxial Adapter Series SSMP/2.92 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~40GHz

VSWR: 1.2 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: SSMP, 2.92mm

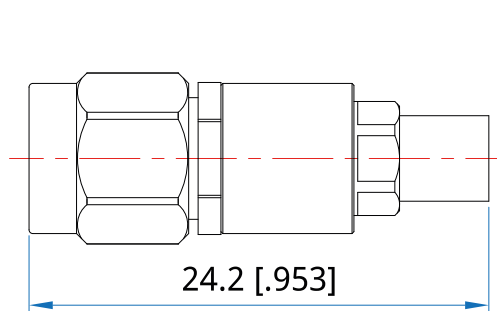
Mating Life Cycle: 5000 cycles

Outer Conductor: SUS303 Stainless Steel

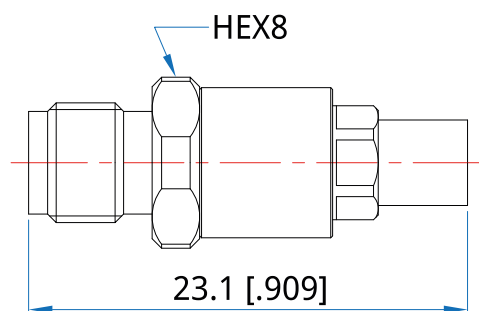
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

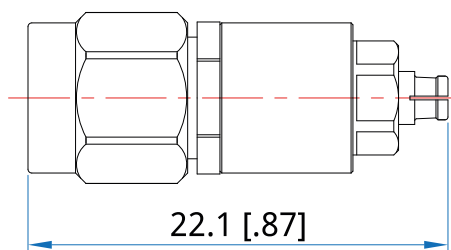
Outline Drawings



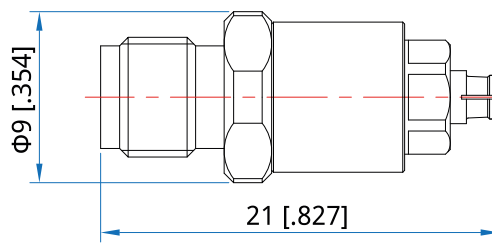
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC40-SSm-29m: SSMP(m)/2.92mm(m), Outline A

RFC40-SSm-29f: SSMP(m)/2.92mm(f), Outline B

RFC40-SSf-29m: SSMP(f)/2.92mm(m), Outline C

RFC40-SSf-29f: SSMP(f)/2.92mm(f), Outline D

Coaxial Adapter Series 2.4 mm/2.92 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~40GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: 2.4mm, 2.92mm

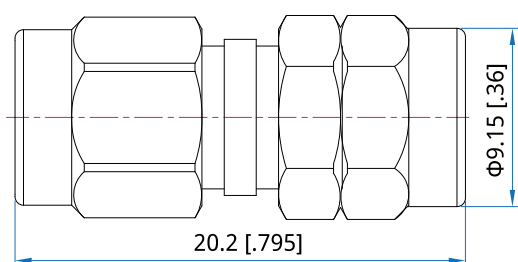
Mating Life Cycle: 5000 cycles

Outer Conductor: SUS303 Stainless Steel

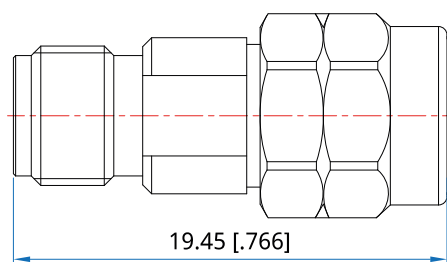
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

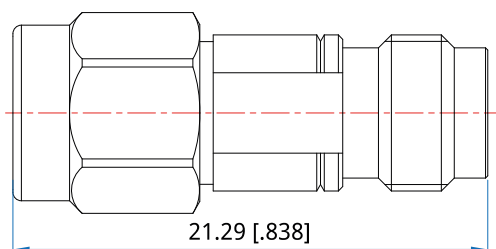
Outline Drawings



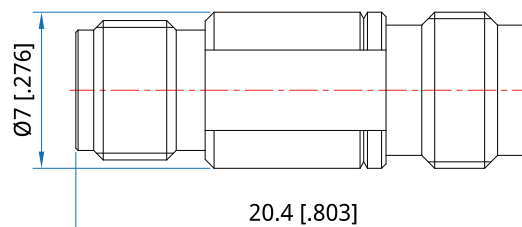
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC40-24m-29m: 2.4mm(m)/2.92mm(m), Outline A

RFC40-24m-29f: 2.4mm(m)/2.92mm(f), Outline B

RFC40-24f-29m: 2.4mm(f)/2.92mm(m), Outline C

RFC40-24f-29f: 2.4mm(f)/2.92mm(f), Outline D

Coaxial Adapter Series 2.4 mm/SMP

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~40GHz

VSWR: 1.5 max.

Impedance: 50Ω

Environmental

Temperature: -50~+85 °C

Mechanical

RF Connectors: 2.4mm, SMP

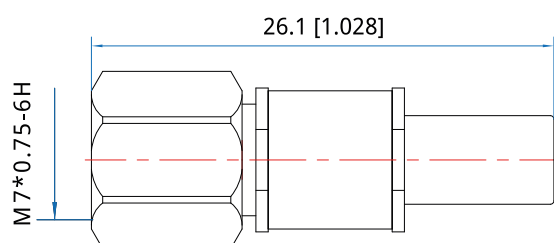
Mating Life Cycle: 500 cycles

Outer Conductor: Passivated Stainless Steel

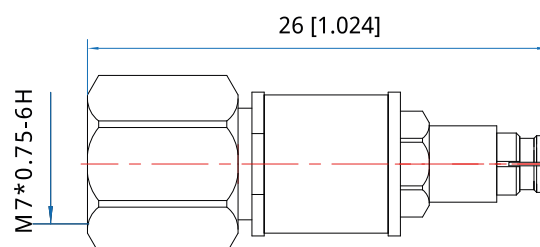
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

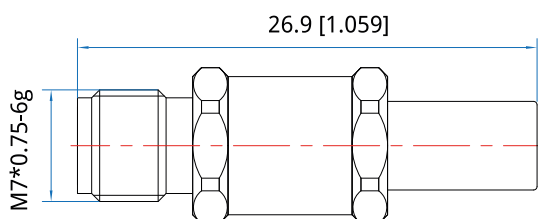
Outline Drawings



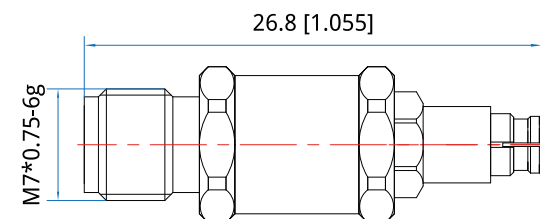
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC40-24m-Mm: 2.4mm(m) to SMP(m), Outline A

RFC40-24m-Mf: 2.4mm(m) to SMP(f), Outline B

RFC40-24f-Mm: 2.4mm(f) to SMP(m), Outline C

RFC40-24f-Mf: 2.4mm(f) to SMP(f), Outline D

Coaxial Adapter Series 2.92 mm/SMP

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~40GHz

VSWR: 1.25 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: 2.92mm, SMP

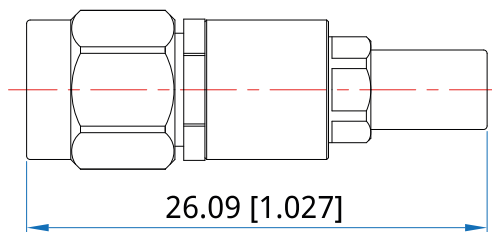
Mating Life Cycle: 5000 cycles

Outer Conductor: SUS303 Stainless Steel, Gold Plated Beryllium Copper

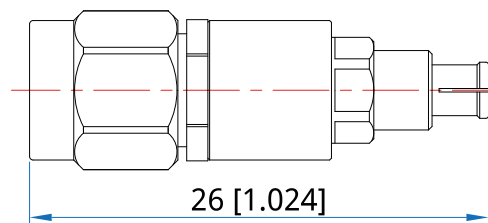
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium Copper

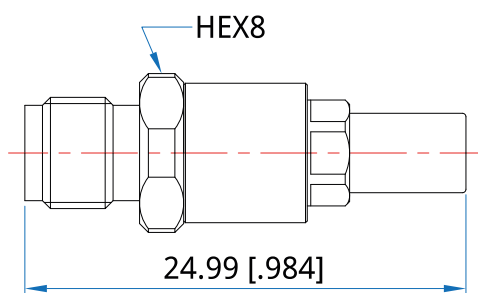
Outline Drawings



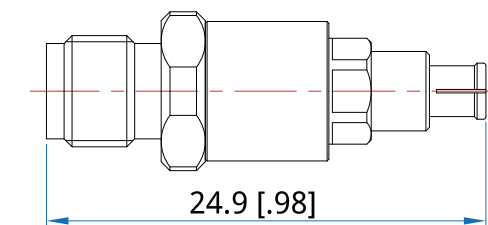
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC40-29m-Mm: 2.92mm(m) to SMP(m), Outline A

RFC40-29m-Mf: 2.92mm(m) to SMP(f), Outline B

RFC40-29f-Mm: 2.92mm(f) to SMP(m), Outline C

RFC40-29f-Mf: 2.92mm(f) to SMP(f), Outline D

Coaxial Adapter Series 1.85 mm/3.5 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~33GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -55~+125 °C

Mechanical

RF Connectors: 1.85mm, 3.5mm

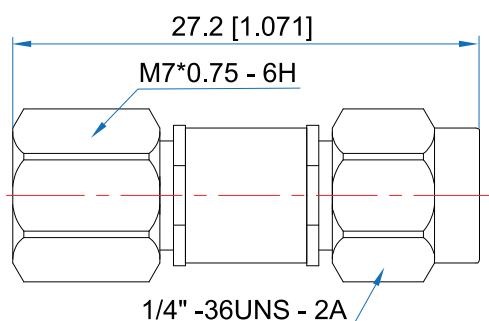
Mating Life Cycle: 1000 cycles

Outer Conductor: SUS303 Stainless Steel,
Passivated

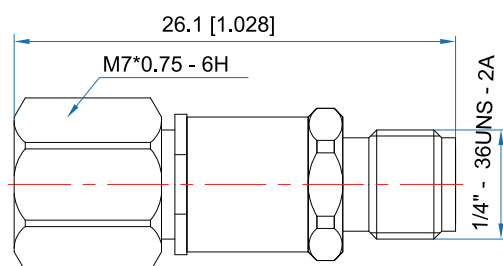
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

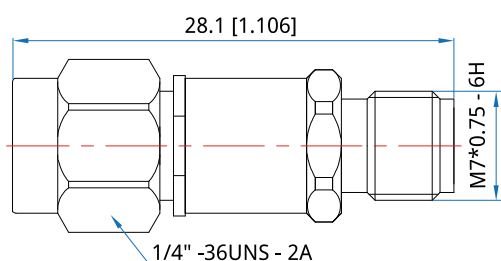
Outline Drawings



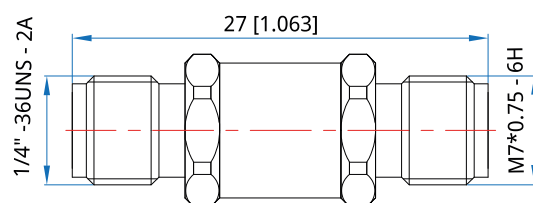
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC40-18m-35m: 1.85mm(m) to 3.5mm(m), Outline A

RFC40-18m-35f: 1.85mm(m) to 3.5mm(f), Outline B

RFC40-18f-35m: 1.85mm(f) to 3.5mm(m), Outline C

RFC40-18f-35f: 1.85mm(f) to 3.5mm(f), Outline D

Coaxial Adapter Series 2.4 mm/3.5 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~33GHz

VSWR: 1.18 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: 2.4mm, 3.5mm

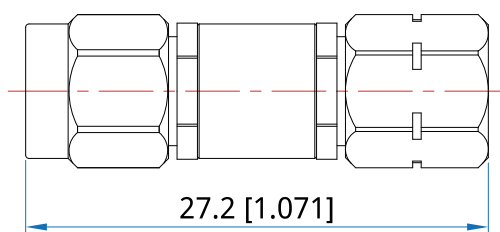
Mating Life Cycle: 5000 cycles

Outer Conductor: SUS303 Stainless Steel

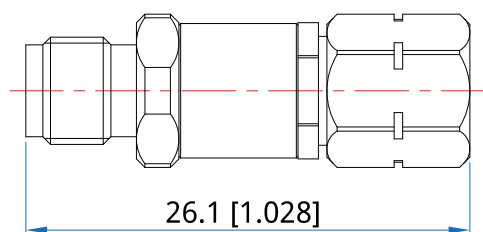
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

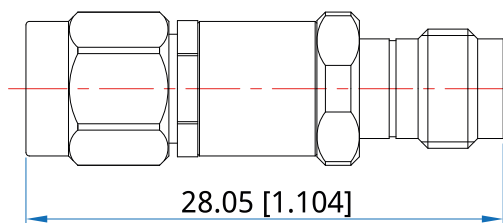
Outline Drawings



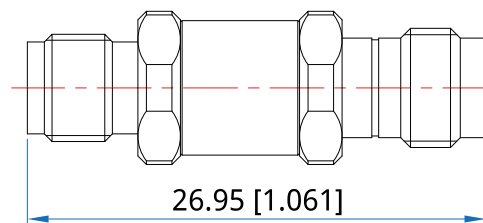
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC40-24m-35m: 2.4mm(m) to 3.5mm(m), Outline A

RFC40-24m-35f: 2.4mm(m) to 3.5mm(f), Outline B

RFC40-24f-35m: 2.4mm(f) to 3.5mm(m), Outline C

RFC40-24f-35f: 2.4mm(f) to 3.5mm(f), Outline D

Coaxial Adapter Series 2.92 mm/3.5 mm

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~33GHz

VSWR: 1.18 max.

Impedance: 50Ω

Environmental

Temperature: -55~+165 °C

Mechanical

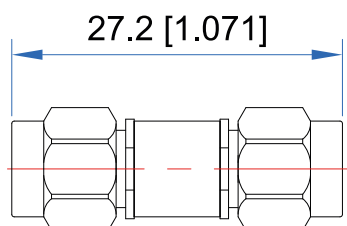
RF Connectors: 2.92mm, 3.5mm

Outer Conductor: SUS303 Stainless Steel

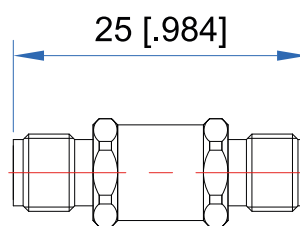
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

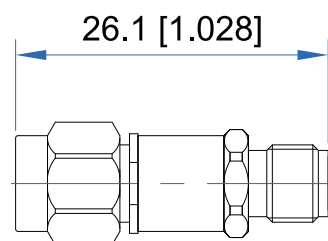
Outline Drawings



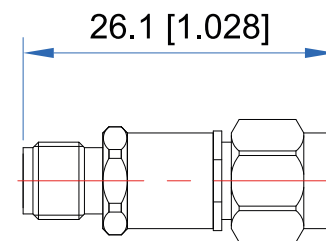
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC33-29m-35m: 2.9mm(m) to 3.5mm(m), Outline A

RFC33-29f-35f: 2.9mm(f) to 3.5mm(f), Outline B

RFC33-29m-35f: 2.9mm(m) to 3.5mm(f), Outline C

RFC33-29f-35m: 2.9mm(f) to 3.5mm(m), Outline D

Coaxial Adapter Series SSMA/SMA

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~26.5GHz
 VSWR: 1.3 max.
 Insertion Loss: 0.3dB max.
 Impedance: 50Ω

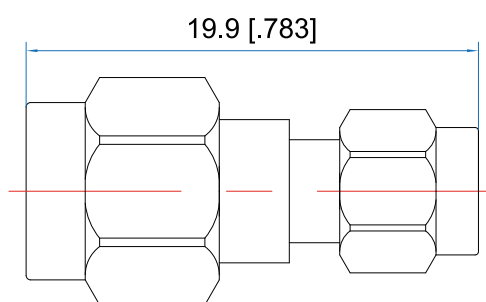
Environmental

Temperature: -55~+85 °C

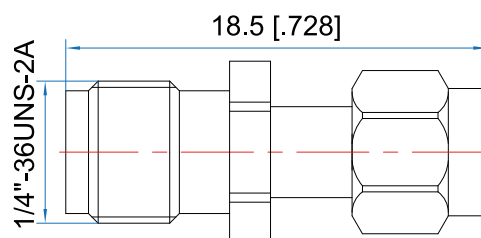
Mechanical

RF Connectors: SSMA, SMA
 Mating Life Cycle: 500 cycles
 Outer Conductor: Passivated Stainless Steel
 Dielectric: PEI
 Inner Conductor: Gold Plated Beryllium Copper

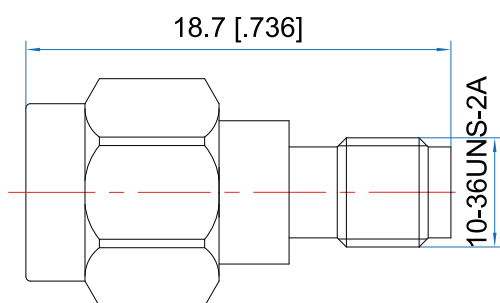
Outline Drawings



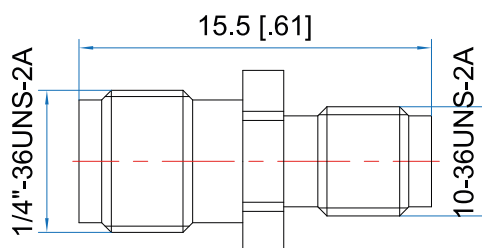
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC26-SSm-Sm: SSMA(m) to SMA(m), Outline A

RFC26-SSm-Sf: SSMA(m) to SMA(f), Outline B

RFC26-SSf-Sm: SSMA(f) to SMA(m), Outline C

RFC26-SSf-Sf: SSMA(f) to SMA(f), Outline D

Coaxial Adapter Series 2.4 mm/N

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: 2.4mm, N

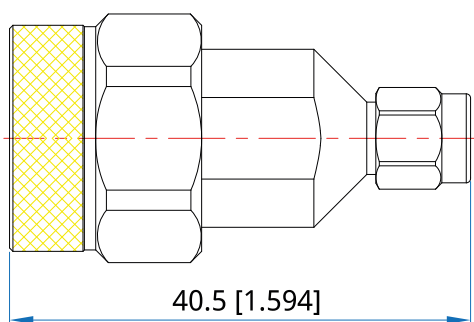
Mating Life Cycle: 5000 cycles

Outer Conductor: Passivated Stainless Steel

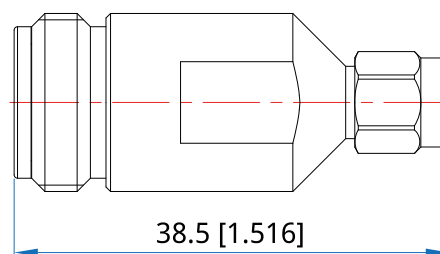
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

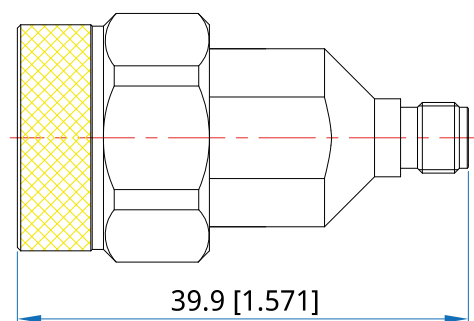
Outline Drawings



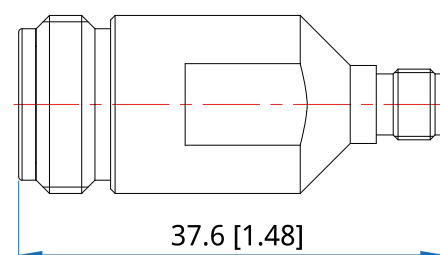
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC18-24m-Nm: 2.4mm(m) to N(m), Outline A

RFC18-24m-Nf: 2.4mm(m) to N(f), Outline B

RFC18-24f-Nm: 2.4mm(f) to N(m), Outline C

RFC18-24f-Nf: 2.4mm(f) to N(f), Outline D

Coaxial Adapter Series 2.92 mm/N

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz

VSWR: 1.15 max.

Insertion Loss: 0.3dB

Impedance: 50Ω

Environmental

Temperature: -55~+125 °C

Mechanical

RF Connectors: 2.92mm, N

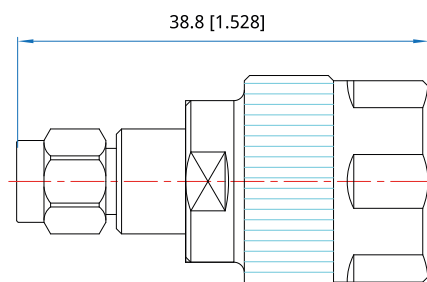
Mating Life Cycle: 500 cycles

Outer Conductor: SUS303 Stainless Steel

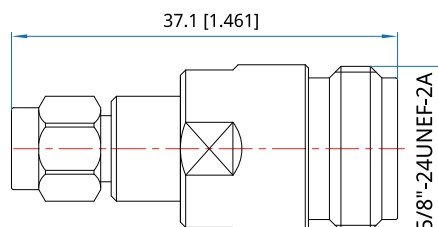
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium
Copper

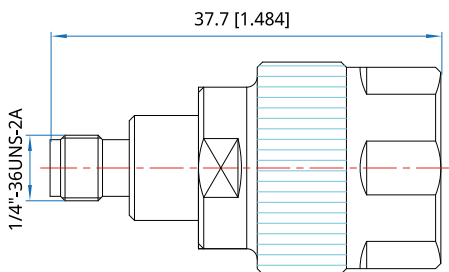
Outline Drawings



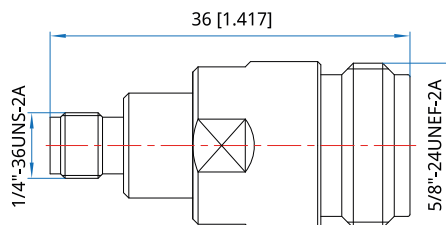
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC18-29m-Nm: 2.92mm(m) to N(m), Outline A

RFC18-29m-Nf: 2.92mm(m) to N(f), Outline B

RFC18-29f-Nm: 2.92mm(f) to N(m), Outline C

RFC18-29f-Nf: 2.92mm(f) to N(f), Outline D

Coaxial Adapter Series 3.5 mm/N

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: 3.5mm, N

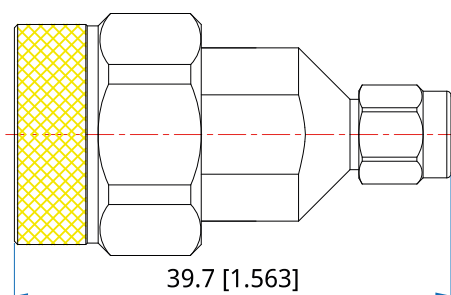
Mating Life Cycle: 5000 cycles

Outer Conductor: SUS303 Stainless Steel

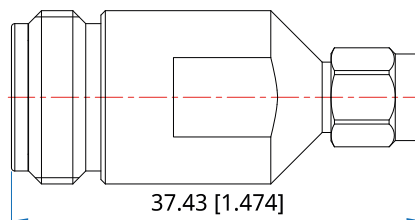
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium Copper

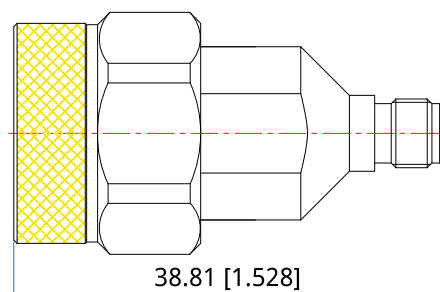
Outline Drawings



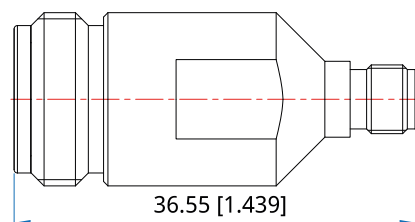
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC18-35m-Nm: 3.5mm(m) to N(m), Outline A

RFC18-35m-Nf: 3.5mm(m) to N(f), Outline B

RFC18-35f-Nm: 3.5mm(f) to N(m), Outline C

RFC18-35f-Nf: 3.5mm(f) to N(f), Outline D

RFC-ADT-18

COAXIAL ADAPTERS



Coaxial Adapter Series SMA/N

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz
 VSWR: 1.25 max.
 1.3 max. for bulk-head
 Insertion Loss: 0.3dB max.
 Impedance: 50Ω

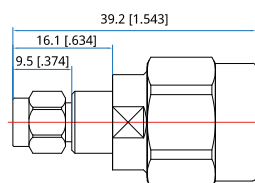
Environmental

Temperature: -50~+85 °C

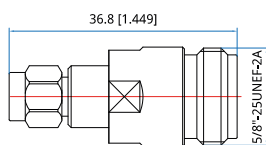
Mechanical

RF Connectors: SMA, N
 Mating Life Cycle: 500 cycles
 Outer Conductor: Passivated Stainless Steel
 Dielectric: PTFE
 Inner Conductor: Gold Plated Beryllium Copper

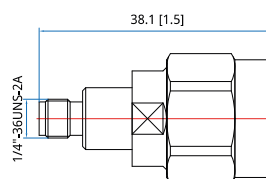
Outline Drawings



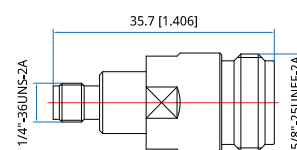
Outline A



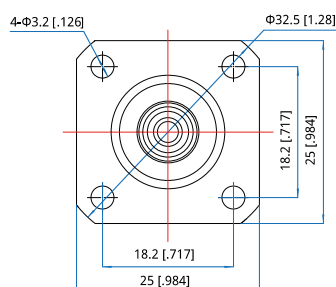
Outline B



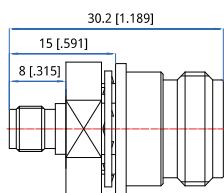
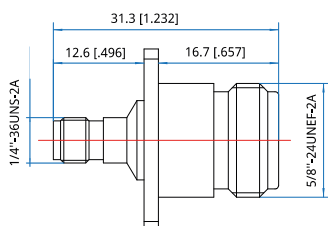
Outline C



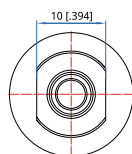
Outline D



Outline E



Outline F



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC18-Sm-Nm: SMA(m) to N(m), Outline A

RFC18-Sm-Nf: SMA(m) to N(f), Outline B

RFC18-Sf-Nm: SMA(f) to N(m), Outline C

RFC18-Sf-Nf: SMA(f) to N(f), Outline D

RFC18-Sf-Nf(FL): SMA(f) to N(f) flangemount, Outline E

RFC18-Sf-Nf(BH): SMA(f) to N(f) bulkhead, Outline F

Coaxial Adapter Series SMA/TNC

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz
 VSWR: 1.25 max.
 1.3 max. (TNC female)
 Impedance: 50Ω

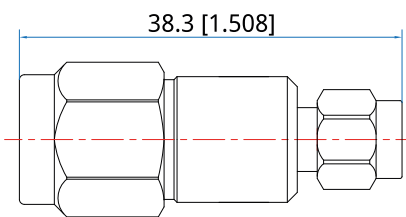
Environmental

Temperature: -50~+85 °C

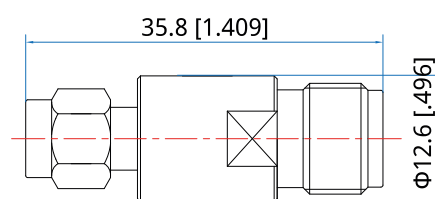
Mechanical

RF Connectors: SMA, TNC
 Mating Life Cycle: 500 cycles
 Outer Conductor: SUS303 Stainless Steel
 Dielectric: PTFE
 Inner Conductor: Gold Plated Beryllium Copper

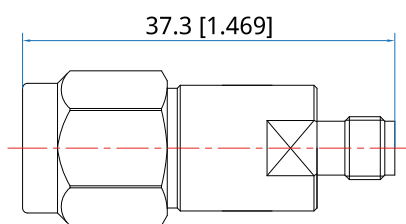
Outline Drawings



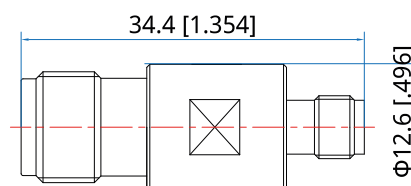
Outline A



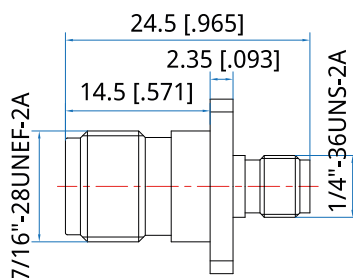
Outline B



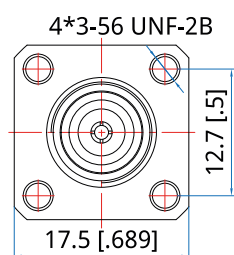
Outline C



Outline D



Outline E



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC18-Sm-Tm: SMA(m) to TNC(m), Outline A

RFC18-Sm-Tf: SMA(m) to TNC(f), Outline B

RFC18-Sf-Tm: SMA(f) to TNC(m), Outline C

RFC18-Sf-Tf: SMA(f) to TNC(f), Outline D

RFC18-Sf-Tf(FL): SMA(f) to TNC(f), flangemount, Outline E

Coaxial Adapter Series SMA/SMP

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz

VSWR: 1.25 max.

Impedance: 50Ω

Environmental

Temperature: -55~+85 °C

Mechanical

RF Connectors: SMP, SMA

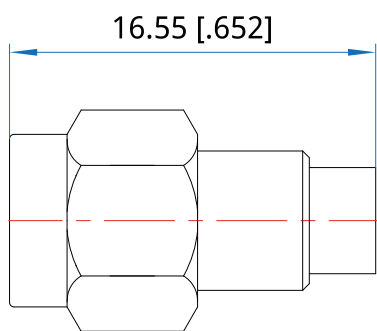
Mating Life Cycle: 500 cycles

Outer Conductor: Passivated Stainless Steel

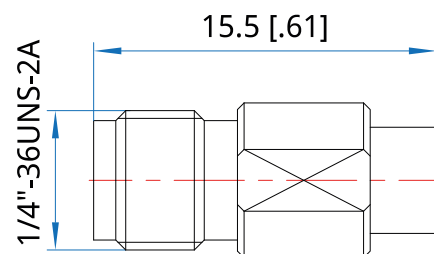
Dielectric: PTFE

Inner Conductor: Gold Plated Beryllium
Copper

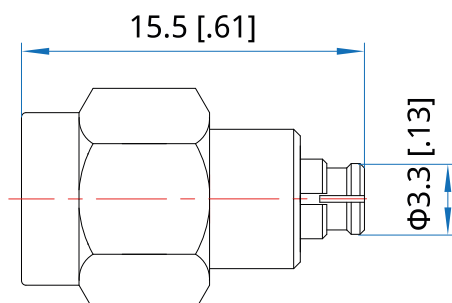
Outline Drawings



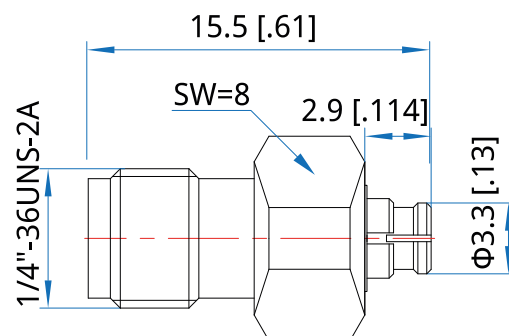
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC18-SMm-Mm: SMP(m) to SMA(m), Outline A

RFC18-SMm-Mf: SMP(m) to SMA(f), Outline B

RFC18-SMf-Mm: SMP(f) to SMA(m), Outline C

RFC18-SMf-Mf: SMP(f) to SMA(f), Outline D

Coaxial Adapter Series SMA/QMA

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: SMA, QMA

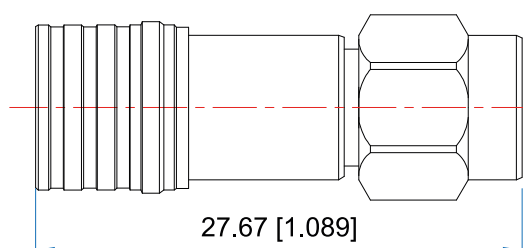
Mating Life Cycle: 5000 cycles

Outer Conductor: SUS303 Stainless Steel

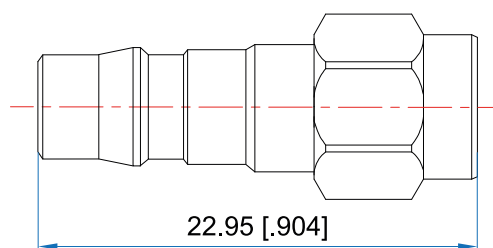
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium Copper

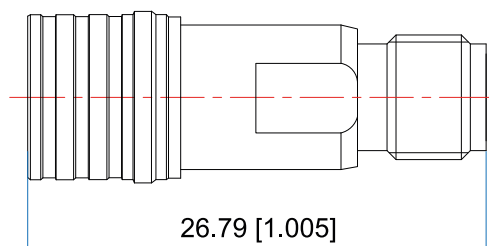
Outline Drawings



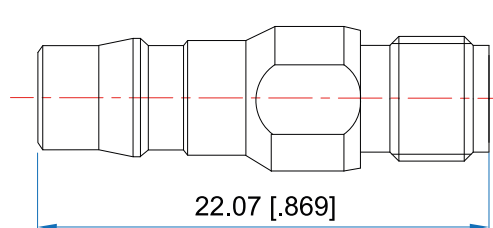
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC18-SMm-Qm: SMA(m) to QMA(m), Outline A

RFC18-SMm-Qf: SMA(m) to QMA(f), Outline B

RFC18-SMf-Qm: SMA(f) to QMA(m), Outline C

RFC18-SMf-Qf: SMA(f) to QMA(f), Outline D

Coaxial Adapter Series TNC/N

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~18GHz

VSWR: 1.25 max.

Impedance: 50Ω

Environmental

Temperature: -50~+85 °C

Mechanical

RF Connectors: TNC, N

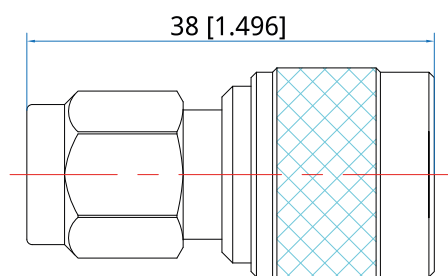
Mating Life Cycle: 500 cycles

Outer Conductor: SUS303 Stainless Steel

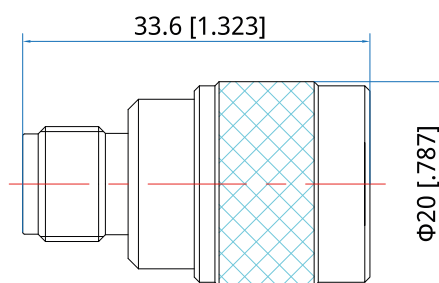
Dielectric: PTFE

Inner Conductor: Gold Plated Beryllium
Copper

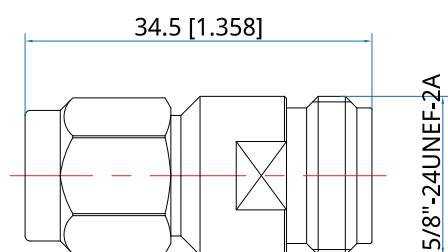
Outline Drawings



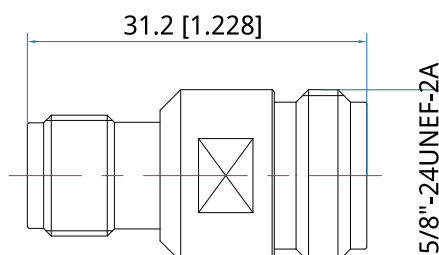
Outline A - TNC (m) to N (m)



Outline C - TNC (f) to N (m)



Outline B - TNC (m) to N (f)



Outline D - TNC (f) to N (f)

Unit: mm [in]

Tolerance: ± 0.2 mm [± 0.008 in]

Interface:

RFC18-Tm-Nm: TNC(m) to N(m), Outline A

RFC18-Tm-Nf: TNC(m) to N(f), Outline B

RFC18-Tf-Nm: TNC(f) to N(m), Outline C

RFC18-Tf-Nf: TNC(f) to N(f), Outline D

Coaxial Adapter Series N/SC

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~6GHz

VSWR: 1.25 max.

Impedance: 50Ω

Environmental

Temperature: -55~+85 °C

Mechanical

RF Connectors: N, SC

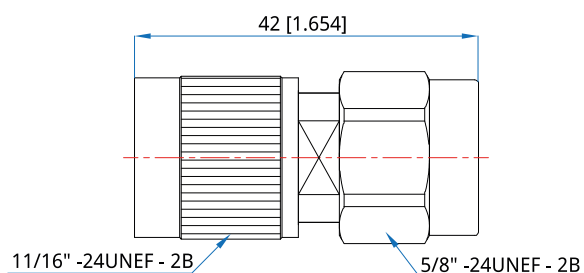
Mating Life Cycle: 500 cycles

Outer Conductor: Nickel Plated Brass or
SUS303 Stainless Steel

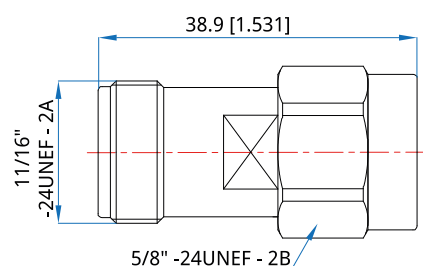
Dielectric: PTFE

Inner Conductor: Gold Plated Tin-phosphor
Bronze

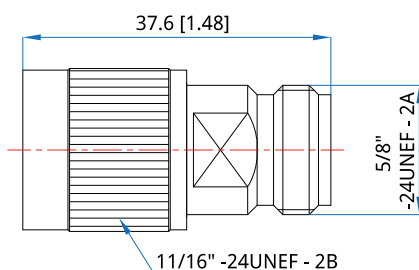
Outline Drawings



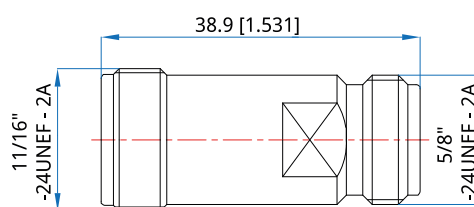
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC6 Nm-SCm: N(m) to SC(m), Outline A

RFC6-Nf-SCm: N(f) to SC(m), Outline B

RFC6-Nm-SCf: N(m) to SC(f), Outline C

RFC6-Nf-SCf: N(f) to SC(f), Outline D

Coaxial Adapter Series SC/7/16(DIN)

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~6GHz

VSWR: 1.25 max.

Impedance: 50Ω

Environmental

Temperature: -55~+85 °C

Mechanical

Length: 45.3mm, 1.783in

RF Connectors: SC, 7/16 DIN

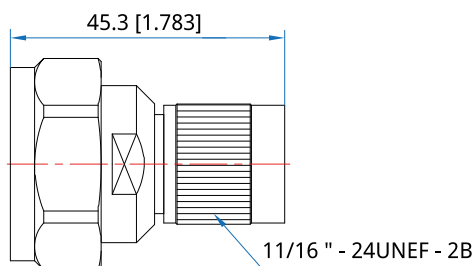
Mating Life Cycle: 500 cycles

Outer Conductor: Nickel Plated Brass or
SUS303 Stainless Steel

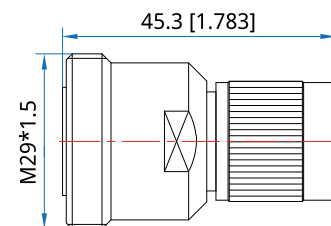
Dielectric: PTFE

Inner Conductor: Gold Plated Tin-phosphor
Bronze

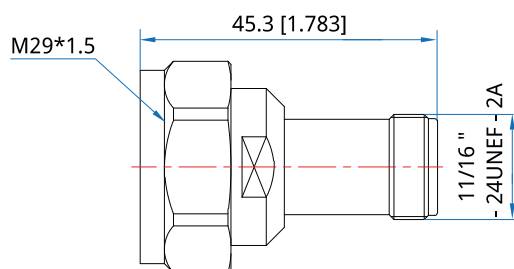
Outline Drawings



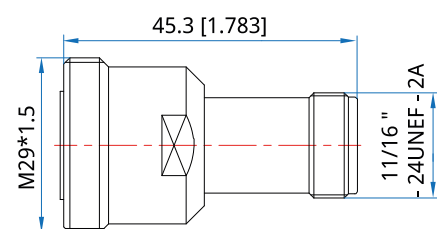
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC6 SCm-DINm: SC(m) to 7/16(m), Outline A

RFC6 SCm-DINf: SC(m) to 7/16(f), Outline B

RFC6 SCf-DINm: SC(f) to 7/16(m), Outline C

RFC6 SCf-DINf: SC(f) to 7/16(f), Outline D

Coaxial Adapter Series N/7/16(DIN)

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~6GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: N, 7/16(DIN)

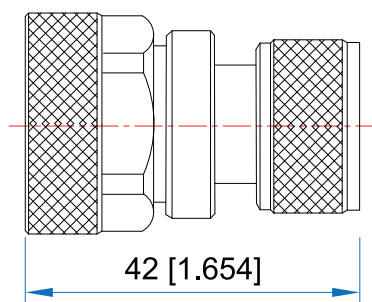
Mating Life Cycle: 500 cycles

Outer Conductor: SUS303 Stainless Steel

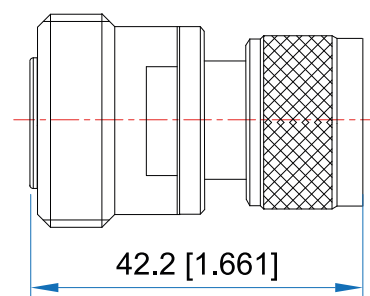
Dielectric: PEI

Inner Conductor: Gold Plated Beryllium Copper

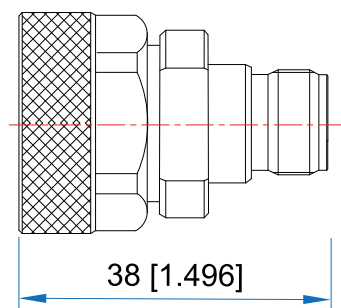
Outline Drawings



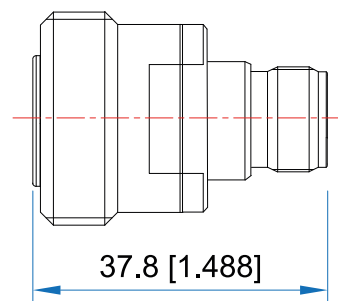
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC6 Nm-DINm: N(m) to 7/16(DIN)(m), Outline A

RFC6 Nm-DINf: N(m) to 7/16(DIN)(f), Outline B

RFC6 Nf-DINm: N(f) to 7/16(DIN)(m), Outline C

RFC6 Nf-DINf: N(f) to 7/16(DIN)(f), Outline D

Coaxial Adapter Series SMA/BNC

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~4GHz

VSWR: 1.3 max.

Insertion Loss: 0.2dB

Impedance: 50Ω

Environmental

Temperature: -55~+85 °C

Mechanical

RF Connectors: SMA, BNC

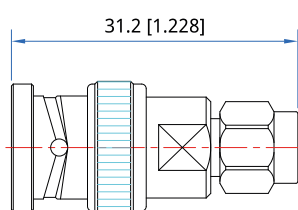
Mating Life Cycle: 500 cycles

Outer Conductor: Nickel Plated Brass

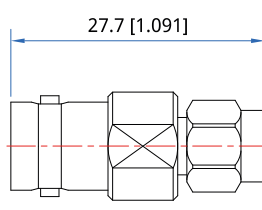
Dielectric: PTFE

Inner Conductor: Gold Plated Beryllium Copper

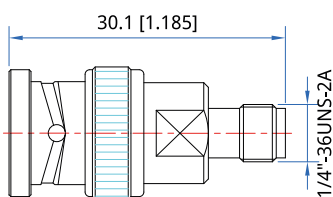
Outline Drawings



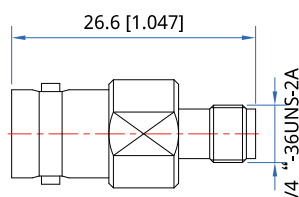
Outline A



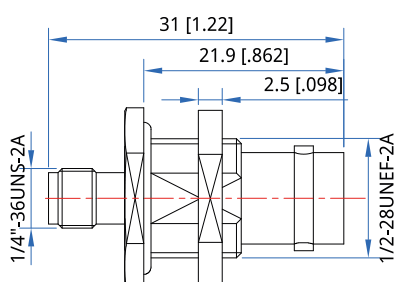
Outline B



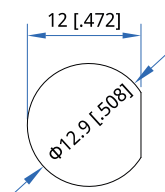
Outline C



Outline D



Outline E



Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC4 Sm-Bm: SMA(m) to BNC(m), Outline A

RFC4 Sm-Bf: SMA(m) to BNC(f), Outline B

RFC4 Sf-Bm: SMA(f) to BNC(m), Outline C

RFC4 Sf-Bf: SMA(f) to BNC(f), Outline D

RFC4 Sf-Bf(BH): SMA(f) to SMA(f) bulkhead, Outline E

Coaxial Adapter Series N/BNC

Features:

- Low VSWR

Applications:

- Wireless
- Transmitter
- Laboratory Test
- Radar

Electrical

Frequency: DC~4GHz

VSWR: 1.15 max.

Impedance: 50Ω

Environmental

Temperature: -60~+165 °C

Mechanical

RF Connectors: N, BNC

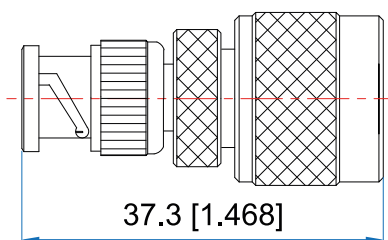
Mating Life Cycle: 500 cycles

Outer Conductor: Brass

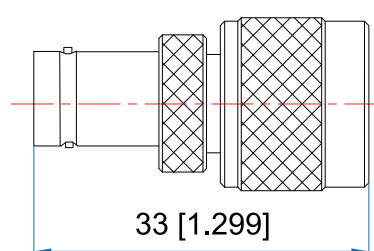
Dielectric: PEI

Inner Conductor: Beryllium Copper or Brass

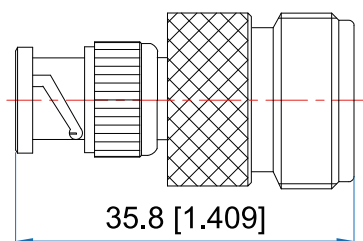
Outline Drawings



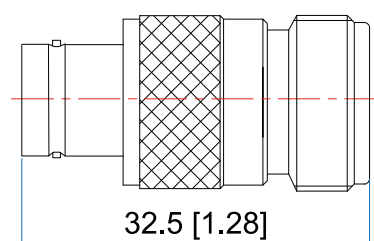
Outline A



Outline B



Outline C



Outline D

Unit: mm [in]

Tolerance: ±0.2mm [±0.008in]

Interface:

RFC4 Nm-Bm: N(m) to BNC(m), Outline A

RFC4 Nm-Bf: N(m) to BNC(f), Outline B

RFC4 Nf-Bm: N(f) to BNC(m), Outline C

RFC4 Nf-Bf: N(f) to BNC(f), Outline D