

## Coaxial Adapters

### FEATURES:

- ❖ Frequency Range from DC-110GHz
- ❖ Compatible with different connector series
- ❖ Air Dielectric
- ❖ High Performance With All Different Series
- ❖ Ruggedized Construction for Repeatability And Reliably
- ❖ Economically Priced



### APPLICATIONS:

- ❖ Test equipment
- ❖ Telecommunications
- ❖ Satellite and Aerospace
- ❖ Microwave and Millimeter-wave

### DESCRIPTION:

**Cernex Coaxial Adapters** contain the In Series and Between Series products. They are precision grade connectors designed for use with different applications requiring excellent performance up to different level of GHz. Those adapters are designed to insure the outer conductors of mating connectors engage and align before the center contacts engage, preventing damage to the center contact tines. They are also provided for semi-rigid cable assemblies, connectors and precision adapters.

### SPECIFICATIONS:

#### IN-SERIES:

Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C10F-10F	DC-110 GHz	0.45dB	1.3:1	1.0mm Female to 1.0mm Female Straight Adapter
C10M-10M	DC-110 GHz	0.45dB	1.3:1	1.0mm Male to 1.0mm Male Straight Adapter
C10M-10F	DC-110 GHz	0.45dB	1.3:1	1.0mm Male to 1.0mm Female Straight Adapter
C18F-18F	DC-65 GHz	-	1.25	1.85mm Female to 1.85mm Female Straight Adapter
C18M-18M	DC-65 GHz	-	1.25	1.85mm Male to 1.85mm Male Straight Adapter
C18M-18F	DC-65 GHz	-	1.25	1.85mm Male to 1.85mm Female Straight Adapter
C24F-24F	DC-50 GHz	-	1.25	2.4mm Female to 2.4mm Female Straight Adapter
C24M-24M	DC-50 GHz	-	1.25	2.4mm Male to 2.4mm Male Straight Adapter
C24M-24F	DC-50 GHz	-	1.25	2.4mm Male to 2.4mm Female Straight Adapter
C24F-24F90	DC-50 GHz	-	1.25	2.4mm Female to 2.4mm Female Right Angle Adapter
C24M-24M90	DC-50 GHz	-	1.25	2.4mm Male to 2.4mm Male Right Angle Adapter
C24M-24F90	DC-50 GHz	-	1.25	2.4mm Male to 2.4mm Female Right Angle Adapter
C24F-24FBH	DC-50 GHz	-	1.25	2.4mm Female to 2.4mm Female Bulkhead Adapter
C29F-29F	DC-40 GHz	-	1.25	2.9mm Female to 2.9mm Female Straight Adapter
C29M-29M	DC-40 GHz	-	1.25	2.9mm Male to 2.9mm Male Straight Adapter
C29M-29F	DC-40 GHz	-	1.25	2.9mm Male to 2.9mm Female Straight Adapter
C29F-29F90	DC-40 GHz	-	1.25	2.9mm Female to 2.9mm Female Right Angle Adapter
C29M-29M90	DC-40 GHz	-	1.25	2.9mm Male to 2.9mm Male Right Angle Adapter

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Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C29M-29F90	DC-40 GHz	-	1.25	2.9mm Male to 2.9mm Female Right Angle Adapter
C29F-29FBH	DC-40 GHz	-	1.25	2.9mm Female to 2.9mm Female Bulkhead Mount Adapter
C35F-35F	DC-34 GHz	-	1.25	3.5mm Female to 3.5mm Female Straight Adapter
C35M-35M	DC-34 GHz	-	1.25	3.5mm Male to 3.5mm Male Straight Adapter
C35M-35F	DC-34 GHz	-	1.25	3.5mm Male to 3.5mm Female Straight Adapter
C35F-35F90	DC-34 GHz	-	1.25	3.5mm Female to 3.5mm Female Right Angle Adapter
C35M-35M90	DC-34 GHz	-	1.25	3.5mm Male to 3.5mm Male Right Angle Adapter
C35M-35F90	DC-34 GHz	-	1.25	3.5mm Male to 3.5mm Female Right Angle Adapter
C35F-35FBH	DC-34 GHz	-	1.25	3.5mm Female to 3.5mm Female Bulkhead Mount Adapter
C35M-35MBH	DC-34 GHz	-	1.25	3.5mm Male to 3.5mm Male Bulkhead Mount Adapter
C35M-35FBH	DC-34 GHz	-	1.25	3.5mm Male to 3.5mm Female Bulkhead Mount Adapter
CSF-SF6	DC-6 GHz	-	-	SMA Female to SMA Female Straight Adapter
CSM-SM6	DC-6 GHz	-	-	SMA Male to SMA Male Straight Adapter
CSM-SF6	DC-6 GHz	-	-	SMA Male to SMA Female Straight Adapter
CSF-SF690	DC-6 GHz	-	-	SMA Female to SMA Female Right Angle Adapter
CSM-SM690	DC-6 GHz	-	-	SMA Male to SMA Male Right Angle Adapter
CSM-SF690	DC-6 GHz	-	-	SMA Male to SMA Female Right Angle Adapter
CSF-SF18	DC-18 GHz	-	-	SMA Female to SMA Female Straight Adapter
CSM-SM18	DC-18 GHz	-	-	SMA Male to SMA Male Straight Adapter
CSM-SF18	DC-18 GHz	-	-	SMA Male to SMA Female Straight Adapter
CSF-SF1890	DC-18 GHz	-	-	SMA Female to SMA Female Right Angle Adapter
CSM-SM1890	DC-18 GHz	-	-	SMA Male to SMA Male Right Angle Adapter
CSM-SF1890	DC-18 GHz	-	-	SMA Male to SMA Female Right Angle Adapter
CSF-SMBH	DC-18 GHz	-	-	SMA Female to SMA Male Bulkhead Mount Adapter
CSF-SF	DC-26.5 GHz	-	-	SMA Female to SMA Female Straight Adapter
CSM-SM	DC-26.5 GHz	-	-	SMA Male to SMA Male Straight Adapter
CSM-SF	DC-26.5 GHz	-	-	SMA Male to SMA Female Straight Adapter
CSF-SF90	DC-26.5 GHz	-	-	SMA Female to SMA Female Right Angle Adapter
CSM-SM90	DC-26.5 GHz	-	-	SMA Male to SMA Male Right Angle Adapter
CSM-SF90	DC-26.5 GHz	-	-	SMA Male to SMA Female Right Angle Adapter

### BETWEEN-SERIES:

Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C18F-24F	DC-50 GHz	-	-	1.85mm Female to 2.4mm Female Straight Adapter
C18M-24M	DC-50 GHz	-	-	1.85mm Male to 2.4mm Male Straight Adapter
C18M-24F	DC-50 GHz	-	-	1.85mm Male to 2.4mm Female Straight Adapter
C18F-24M	DC-50 GHz	-	-	1.85mm Female to 2.4mm Male Straight Adapter
C18F-29F	DC-40 GHz	-	-	1.85mm Female to 2.9mm Female Straight Adapter
C18M-29M	DC-40 GHz	-	-	1.85mm Male to 2.9mm Male Straight Adapter
C18M-29F	DC-40 GHz	-	-	1.85mm Male to 2.9mm Female Straight Adapter
C18F-29M	DC-40 GHz	-	-	1.85mm Female to 2.9mm Male Straight Adapter

**Coaxial Adapters**

Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C18F-35F	DC-34 GHz	-	-	1.85mm Female to 3.5mm Female Straight Adapter
C18M-35M	DC-34 GHz	-	-	1.85mm Male to 3.5mm Male Straight Adapter
C18M-35F	DC-34 GHz	-	-	1.85mm Male to 3.5mm Female Straight Adapter
C18F-35M	DC-34 GHz	-	-	1.85mm Female to 3.5mm Male Straight Adapter
C18F-SF	DC-26.5 GHz	-	-	1.85mm Female to SMA Female Straight Adapter
C18M-SM	DC-26.5 GHz	-	-	1.85mm Male to SMA Male Straight Adapter
C18M-SF	DC-26.5 GHz	-	-	1.85mm Male to SMA Female Straight Adapter
C18F-SM	DC-26.5 GHz	-	-	1.85mm Female to SMA Male Straight Adapter
C18F-SSF	DC-26.5 GHz	-	-	1.85mm Female to SSMA Female Straight Adapter
C18M-SSM	DC-26.5 GHz	-	-	1.85mm Male to SSMA Male Straight Adapter
C18M-SSF	DC-26.5GHz	-	-	1.85mm Male to SSMA Female Straight Adapter
C18F-SSM	DC-26.5 GHz	-	-	1.85mm Female to SSMA Male Straight Adapter
C24F-29F	DC-40 GHz	-	-	2.4mm Female to 2.9mm Female Straight Adapter
C24M-29M	DC-40 GHz	-	-	2.4mm Male to 2.9mm Male Straight Adapter
C24M-29F	DC-40 GHz	-	-	2.4mm Male to 2.9mm Female Straight Adapter
C24F-29M	DC-40 GHz	-	-	2.4mm Female to 2.9mm Male Straight Adapter
C24F-35F	DC-34 GHz	-	-	2.4mm Female to 3.5mm Female Straight Adapter
C24M-35M	DC-34 GHz	-	-	2.4mm Male to 3.5mm Male Straight Adapter
C24M-35F	DC-34 GHz	-	-	2.4mm Male to 3.5mm Female Straight Adapter
C24F-35M	DC-34 GHz	-	-	2.4mm Female to 3.5mm Male Straight Adapter
C24F-SF	DC-26.5 GHz	-	-	2.4mm Female to SMA Female Straight Adapter
C24M-SM	DC-26.5 GHz	-	-	2.4mm Male to SMA Male Straight Adapter
C24M-SF	DC-26.5 GHz	-	-	2.4mm Male to SMA Female Straight Adapter
C24F-SM	DC-26.5 GHz	-	-	2.4mm Female to SMA Male Straight Adapter
C24F-SSF	DC-26.5 GHz	-	-	2.4mm Female to SSMA Female Straight Adapter
C24M-SSM	DC-26.5 GHz	-	-	2.4mm Male to SSMA Male Straight Adapter
C24M-SSF	DC-26.5 GHz	-	-	2.4mm Male to SSMA Female Straight Adapter
C24F-SSM	DC-26.5 GHz	-	-	2.4mm Female to SSMA Male Straight Adapter
C24F-NF	DC-18 GHz	-	-	2.4mm Female to N Female Straight Adapter
C24M-NM	DC-18 GHz	-	-	2.4mm Male to N Male Straight Adapter
C24M-NF	DC-18 GHz	-	-	2.4mm Male to N Female Straight Adapter
C24F-NM	DC-40 GHz	-	-	2.4mm Female to N Male Straight Adapter
C24M-7	DC-18 GHz	-	-	2.4mm Male to 7mm Straight Adapter
C24F-7	DC-18 GHz	-	-	2.4mm Female to 7mm Straight Adapter
C29F-35F	DC-34 GHz	-	-	2.9mm Female to 3.5mm Female Straight Adapter
C29M-35M	DC-34 GHz	-	-	2.9mm Male to 3.5mm Male Straight Adapter
C29M-35F	DC-34 GHz	-	-	2.9mm Male to 3.5mm Female Straight Adapter
C29F-35M	DC-34 GHz	-	-	2.9mm Female to 3.5mm Male Straight Adapter
C29F-SF	DC-26.5 GHz	-	-	2.9mm Female to SMA Female Straight Adapter
C29M-SM	DC-26.5 GHz	-	-	2.9mm Male to SMA Male Straight Adapter
C29M-SF	DC-26.5 GHz	-	-	2.9mm Male to SMA Female Straight Adapter
C29F-SM	DC-26.5 GHz	-	-	2.9mm Female to SMA Male Straight Adapter



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Model Number	Frequency Range (GHz)	Insertion Loss (Max)	VSWR (Max)	Description
C29F-SSF	DC-26.5 GHz	-	-	2.9mm Female to SSMA Female Straight Adapter
C29M-SSM	DC-26.5 GHz	-	-	2.9mm Male to SSMA Male Straight Adapter
C29M-SSF	DC-26.5 GHz	-	-	2.9mm Male to SSMA Female Straight Adapter
C29F-SSM	DC-26.5 GHz	-	-	2.9mm Female to SSMA Male Straight Adapter
C29F-NF	DC-18 GHz	-	-	2.9mm Female to N Female Straight Adapter
C29M-NM	DC-18 GHz	-	-	2.9mm Male to N Male Straight Adapter
C29M-NF	DC-18 GHz	-	-	2.9mm Male to N Female Straight Adapter
C29F-NM	DC-18 GHz	-	-	2.9mm Female to N Male Straight Adapter
C29M-7	DC-18 GHz	-	-	2.9mm Male to 7mm Straight Adapter
C29F-7	DC-18 GHz	-	-	2.9mm Female to 7mm Straight Adapter
C35F-SF	DC-26.5 GHz	-	-	3.5mm Female to SMA Female Straight Adapter
C35M-SM	DC-26.5 GHz	-	-	3.5mm Male to SMA Male Straight Adapter
C35M-SF	DC-26.5 GHz	-	-	3.5mm Male to SMA Female Straight Adapter
C35F-SM	DC-26.5 GHz	-	-	3.5mm Female to SMA Male Straight Adapter
C35F-NF	DC-18 GHz	-	-	3.5mm Female to N Female Straight Adapter
C35M-NM	DC-18 GHz	-	-	3.5mm Male to N Male Straight Adapter
C35M-NF	DC-18 GHz	-	-	3.5mm Male to N Female Straight Adapter
C35F-NM	DC-18 GHz	-	-	3.5mm Female to N Male Straight Adapter
C35F-7F	DC-18 GHz	-	-	3.5mm Female to 7mm Female Straight Adapter
C35M-7M	DC-18 GHz	-	-	3.5mm Male to 7mm Male Straight Adapter
C35M-7F	DC-18 GHz	-	-	3.5mm Male to 7mm Female Straight Adapter
C35F-7M	DC-18 GHz	-	-	3.5mm Female to 7mm Male Straight Adapter
CSF-SSF	DC-26.5 GHz	-	-	SMA Female to SSMA Female Straight Adapter
CSM-SSM	DC-26.5 GHz	-	-	SMA Male to SSMA Male Straight Adapter
CSM-SSF	DC-26.5 GHz	-	-	SMA Male to SSMA Female Straight Adapter
CSF-SSM	DC-26.5 GHz	-	-	SMA Female to SSMA Male Straight Adapter
CSF-NF	DC-18 GHz	-	-	SMA Female to N Female Straight Adapter
CSM-NM	DC-18 GHz	-	-	SMA Male to N Male Straight Adapter
CSM-NF	DC-18 GHz	-	-	SMA Male to N Female Straight Adapter
CSF-NM	DC-18 GHz	-	-	SMA Female to N Male Straight Adapter
CSM-7	DC-18 GHz	-	-	SMA Male to 7mm Straight Adapter
CSF-7	DC-18 GHz	-	-	SMA Female to 7mm Straight Adapter

OTHER COMBINATIONS AND ADAPTERS ARE ALSO AVAILABLE. PLEASE, CONTACT THE FACTORY

CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE