

## Data Sheet

# EC-ADP-1818-FF/MF/MM 1.85 mm to 1.85 mm Adapters

## Applications

- General-purpose RF, microwave, mmWave
- Cellular 2.5G, 3G, 4G, LTE, 5G
- Wi-Fi 802.11 2.4 GHz, 5.8 GHz
- Sat-Comm L, S, C, X, Ku, K, Ka bands
- ISM Bands 2.4GHz, 5.8GHz, 24GHz

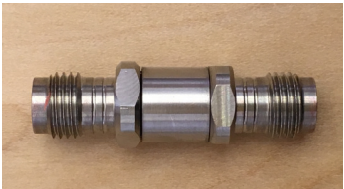

## Features

- Characteristic Impedance: 65 Ohm
- Frequency Range: DC to 65 GHz
- VSWR: < 1.25
- Body: Stainless Steel SUS304, Polished / Passivated
- Center Contact: Beryllium Copper, Gold Plated

## Description

The EC-ADP-1818 series is a family of high precision 50 ohm coaxial 1.85 mm to 1.85 mm adapters for general-purpose RF and microwave use. These high performance connectors are used in a wide variety of test and measurement settings ranging from cellular to satellite communications for the proper matching of equipment and cable interconnect. The connectors are constructed from a durable stainless steel and are designed to withstand repeated use. They feature an air dielectric with a loss-loss plastic center conductor support. All male and female port combinations are available.

## Models

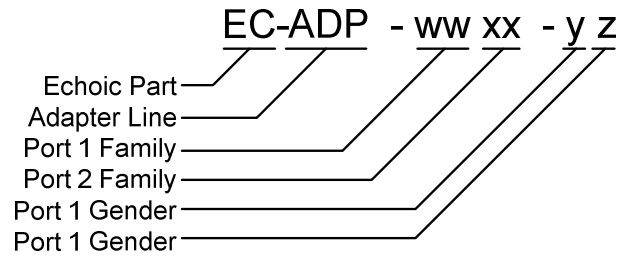
<b>Model</b>	<b>EC-ADP-1818-FF</b>		
<b>Connector Type</b>	1.85 mm (F) to 1.85 mm (F)		
<b>Frequency</b>	DC to 65 GHz		
<b>VSWR</b>	< 1.25		
<b>Model</b>	<b>EC-ADP-1818-MF</b>		
<b>Connector Type</b>	1.85 mm (M) to 1.85 mm (F)		
<b>Frequency</b>	DC to 65 GHz		
<b>VSWR</b>	< 1.25		
<b>Model</b>	<b>EC-ADP-1818-MM</b>		
<b>Connector Type</b>	1.85 mm (M) to 1.85 mm (M)		
<b>Frequency</b>	DC to 65 GHz		
<b>VSWR</b>	< 1.25		

## Specifications

<i>Parameter</i>	<i>Value</i>
Characteristic Impedance	50 ohm
Frequency Range	DC to 65 GHz
VSWR	< 1.25
Durability	> 1000 cycles
Operating Temperature	-55C to +125C
Body Material	Stainless Steel SUS304, Polished and Passivated
Center Contact Material	Beryllium Copper, Gold Plated
Center Contact Support Material	Polyetherimide (PEI)

## Ordering Information

Please use the following model number designation for ordering this and any other part from our adapter line:



For example, EC-ADP-1818-MF is an Echoic part in the Adapter line where the size of port 1 is 1.85 mm, the size of port 2 is 1.85 mm, the gender of port 1 is male and the gender of port 2 is female.

## Web Resource

For more information on other RF and microwave interconnect solutions please visit our online store 5G Links: [www.5glinks.com](http://www.5glinks.com)

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