

# ADPMKFK

## ADP Series 2.92mm Male to 2.92mm Female Adapter

### DEVICE OVERVIEW

#### General Description

The ADPMKFK is a 2.92mm Male to 2.92mm Female straight angle coaxial adapter. This adapter features low insertion loss and low VSWR across a DC-40 GHz bandwidth. 3/8" torque wrench and 5.5 mm fixed wrench recommended.

[Download s-parameters here](#)



#### Features

- Low VSWR
- Low loss

#### Applications

- Interconnect

#### Functional Block Diagram

N/A

#### Part Ordering Options

Part Number	Description	Connectors	Green Status	Product Lifecycle	Export Classification
ADPMKFK	ADP Series 2.92mm Male to 2.92mm Female Adapter	-	REACH RoHS compliant per Annex III, Exemption 6(c)	Released	EAR99

## ADPMKFK

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#### Revision History

Revision Code	Revision Date	Comment
-	2024-08-29	Initial Release

## ADPMKFK

### ADP Series 2.92mm Male to 2.92mm Female Adapter

#### Port Configuration and Functions

#### Port Functions

Port	Function	Connector Type	Description	Equivalent Circuit for Package
Port 1	IN/OUT	2.92M	-	-
Port 2	IN/OUT	2.92F	-	-

## ADPMKFK

### ADP Series 2.92mm Male to 2.92mm Female Adapter

## Specifications

### Absolute Maximum Ratings

Parameter	Maximum Rating	Unit
DC Current	7.5	A
Maximum Operating Temperature	105	°C
Minimum Operating Temperature	-55	°C

## ADPMKFK

### ADP Series 2.92mm Male to 2.92mm Female Adapter

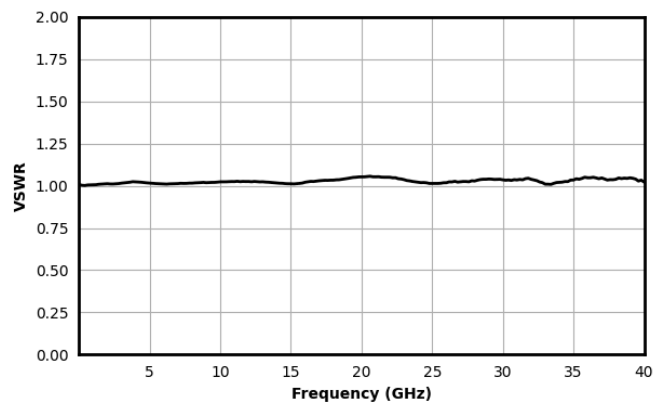
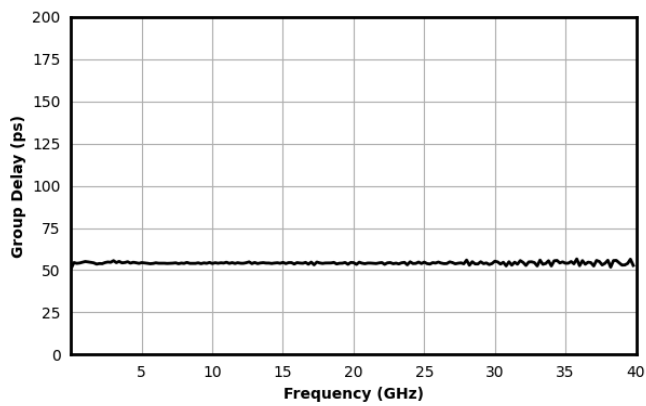
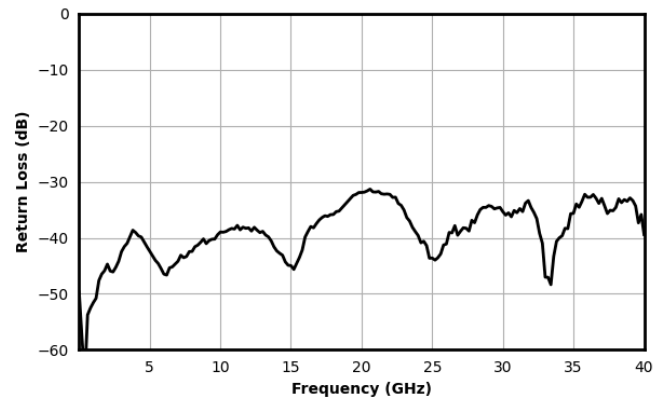
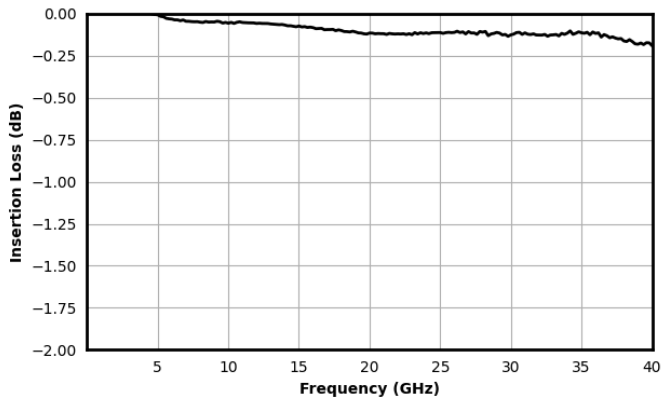
#### Electrical Specifications

Parameter	Test Conditions	Minimum Frequency (GHz)	Maximum Frequency (GHz)	Min	Typ	Max	Unit
Insertion Loss	-	0	40	-	0.1	-	dB
Return Loss	-	0	40	-	38	-	dB
VSWR	-	0	40	-	1.02	-	

## ADPMKFK

### ADP Series 2.92mm Male to 2.92mm Female Adapter

#### Typical Performance Plot



# ADPMKFK

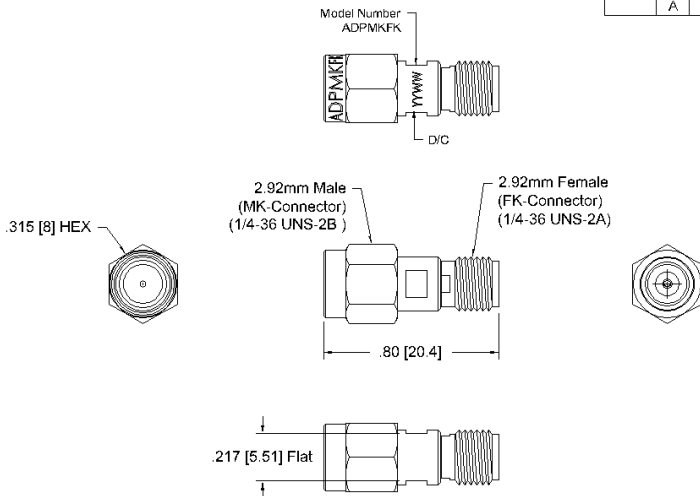
## ADP Series 2.92mm Male to 2.92mm Female Adapter

### Mechanical Data

### Outline Drawing

Download : [Outline 2D Drawing](#)

REVISIONS				
ECN	REV.	DESCRIPTION	DATE	APPROVALS
	A	Initial Release	6/19/25	AT

Model Number  
ADPMKFK

D/C

2.92mm Male  
(MK-Connector)  
(1/4-36 UNS-2B)

2.92mm Female  
(FK-Connector)  
(1/4-36 UNS-2A)

.315 [8] HEX

.80 [20.4]

.217 [5.51] Flat

Parts	Material	Plating (Micro-inch)
Contact Pins	Beryllium Copper (BeCu)	Gold pl. 4 min., over Nickel-phosphorus Alloy pl. 80 min., over Copper pl. 20 min.
Insulator	PPO	
Body	Stainless Steel	Passivated
Coupling Nut	Stainless Steel	Passivated

NOTE:  
1. All Dimensions are in Inches [Metric].

<p style="font-size: small;">JUL 2025 01:15 PM 02:00:00          2.92MM PLUG TO 2.92MM JACK          TO: 2.92MM JACK / 40GHz          NO. 001 2.92MM PLUG / 40GHz          XXXXa 005 8</p> <p>MATERIAL: . FINISH: .</p> <p style="font-weight: bold; font-size: small;">DO NOT SCALE DRAWING</p>	<p style="font-size: small;">DRAWN BY: TNN DATE: 06-28-2024</p>	<p style="text-align: right;"><b>Marki</b> www.markimicrowave.com</p> <p style="text-align: center;"><b>2.92mm Plug to 2.92mm Jack 40GHz, ADPMKFK</b></p> <p style="font-weight: bold; font-size: small;">SIZE: A    CAGE CODE: 0UC32    DWG. NO.: ADPMKFK</p> <p style="font-size: x-small;">SCALE: NONE    SHEET: 1 OF 1</p>
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