

## SMA Male (Plug) to SMA Male (Plug) Adapter, Commercial Grade

### FMAD10065



#### Configuration

- SMA Male Connector 1
- SMA Male Connector 2
- 50 Ohms Impedance
- Straight Body Geometry

#### Features

- VSWR of 1.2:1 max up to 18 GHz
- Gold over Nickel Plated Brass Contact

#### Applications

- General Purpose Test

#### Description

SMA male to SMA male adapter part number FMAD10065 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to SMA adapter has a male to male gender configuration. FMAD10065 SMA male to SMA male adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.2:1 maximum. The SMA connector mates mechanically with commercially available 3.5mm and 2.92mm (K) connectors.

RF adapters can be used to enable connections between two connector types that would otherwise not mate. Certain RF adapter configurations can also be used to protect connectors on expensive equipment where the number of connect and disconnect cycles is high. An RF, microwave, or millimeter wave adapter is connected to the equipment and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Fairview Microwave also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

#### Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		18	GHz
Impedance		50		Ohms
VSWR			1.2:1	
Operating Voltage (DC)			500	Vdc
Dielectric Withstanding Voltage (AC)			1,000	Vrms

#### Mechanical Specifications

##### Size

Length	0.76 in [19.30 mm]
Width	0.31 in [7.87 mm]
Height	0.31 in [7.87 mm]
Weight	0.01 lbs [4.54 g]

Description	Connector 1	Connector 2
Polarity	Standard	Standard

Mechanical Specification Notes:  
Plating for body and center pin includes 20 microinches Cu under Au and Ni layers.

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### Material Specifications

Description	Connector 1		Connector 2	
	Material	Plating	Material	Plating
Type	SMA Male		SMA Male	
Contact	Brass	Gold over Nickel Au 20 microinches over Ni 120 microinches	Brass	Gold over Nickel Au 20 microinches over Ni 120 microinches
Insulation	PTFE		PTFE	
Outer Conductor	Brass	Gold over Nickel Au 2 microinches over Ni 120 microinches	Brass	Gold over Nickel Au 2 microinches over Ni 120 microinches
Body	Brass	Gold over Nickel Au 2 microinches over Ni 120 microinches	Brass	Tri-Metal Au 2 microinches over Ni 120 microinches over Cu 20 microinches
Coupling Nut	Brass	Gold over Nickel Au 2 microinches over Ni 120 microinches	Brass	Gold over Nickel Au 2 microinches over Ni 120 microinches

### Compliance Certifications (see [product page](#) for current document)

SMA Male (Plug) to SMA Male (Plug) Adapter, Commercial Grade from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male \(Plug\) to SMA Male \(Plug\) Adapter, Commercial Grade FMAD10065](#)

URL: <https://www.fairviewmicrowave.com/product/rf-adapters/sma-male-to-sma-male-adapter-fmad10065.html>

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