

# SM4233 DATA SHEET

## **SMA Female to N Female 4 Hole Flange Adapter**

SMA female to type N female 4 hole flange adapter part number SM4233 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to type N adapter has a female to female gender configuration. SM4233 SMA female to type N female 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. Our RF SMA to type N 4 hole flange adapter allows designers to create external connections on their product enclosures, and can be used in a variety of other rack mount and panel mount applications.

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	Min	Тур	Max	Units	
Frequency Range	DC		18	GHz	
VSWR			1.2:1		

Electrical Specification Notes: Values at 25°C, sea level.

#### **Mechanical Specifications**

Size Length Width Height Weight

1.235 in [31.37 mm] 1 in [25.4 mm] 1 in [25.4 mm] 0.071 lbs [32.21 g]

Connector 1	Connector 2		
SMA Female	N Female		
Standard	Standard		
500	500		
	SMA Female Standard		



## **Configuration:**

- SMA Female Connector 1
- N Female Connector 2
- 50 Ohm
- Straight Body Geometry
- 4 Hole Flange Mount Method

#### **Features:**

- VSWR of 1.2:1 max up to 18 GHz
- Contact plating according to MIL-G-45204
- Gold over Nickel Plated Beryllium Copper Contact

## **Applications:**

- Enables Between Series Connections
- General Purpose Test
- Rack Mounted Equipment

Fairview Microwave 301 Leora Ln., Suite 100 Lewisville, TX 75056 Tel: 1-800-715-4396 / (972) 649-6678 Fax: (972) 649-6689 www.fairviewmicrowave.com sales@fairviewmicrowave.com





#### **Material Specifications**

Description	Connector 1	Connector 2		
Туре	SMA Female	N Female		
Contact Material	Beryllium Copper	Beryllium Copper		
Contact Plating	Gold over Nickel	Gold over Nickel		
Contact Plating Spec.	MIL-G-45204	MIL-G-45204		
Insulation Material	PTFE	PTFE		
Outer Contact Material	Passivated Stainless Steel	Passivated Stainless Steel		
Outer Contact Plating Spec.	ASTM A380	ASTM A380		

### **Environmental Specifications**

#### **Temperature**

Operating Range Vibration Salt Spray -55 to +100 deg C

MIL-STD 202, Method 204, Condition D (20 G's)

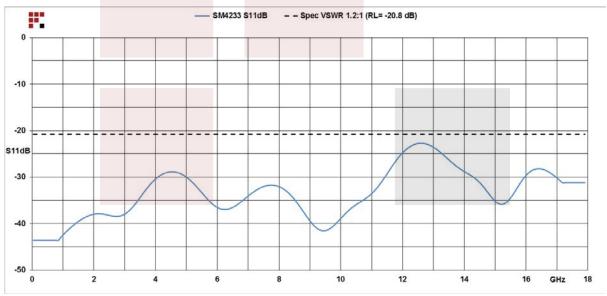
MIL-STD 202, Method 101, Condition B, 5% salt solution

## **Compliance Certifications** (see product page for current document)

## **Plotted and Other Data**

Notes:

### **Typical Performance Data**







SMA Female to N Female 4 Hole Flange Adapter 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 Allen, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: SMA Female to N Female 4 Hole Flange Adapter SM4233

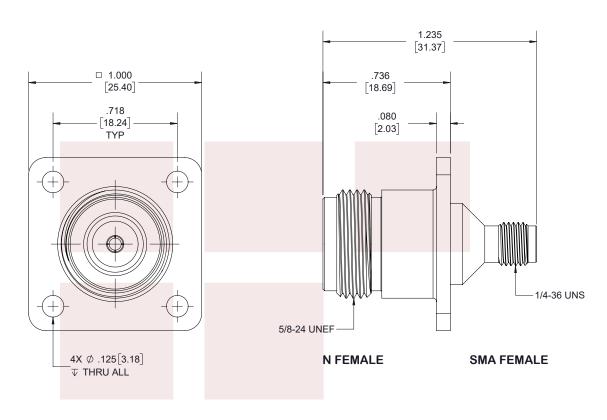
The information contained in this document is accurate to the best of our knowledge and representative of the part

URL: https://www.fairviewmicrowave.com/sma-female-n-female-4-hole-flange-adapter-sm4233-p.aspx

described here	ein. It may be necessar	y to make modificati	ons to the part a	nd/or the do	cumentation of the part	, in order
to implement	improvements. Fairview	Microwave reserves	the right to make	e such chan	ges as required. Unless	otherwise
stated, all spe	ecifications are nominal.	Fairview Microwave	does not make a	any represe	ntation or warranty rega	arding the
suitability of t	he part described hereir	n for any particular p	ourpose, and Fair	view Microw	ave does not assume ar	ny liability
arising out of	the use of any part or do	ocumentation.				

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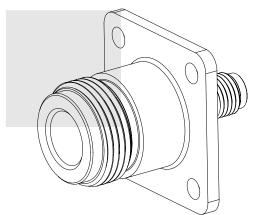




#### STANDARD TOLERANCES

.X ±0.2 .XX ±0.01 .XXX ±0.005

\*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES



FAIRVIEW MICROWAVE INC. ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM	NOTES: 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL. 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME. 3. DIMENSIONS ARE IN INCHES [mm].					
SMA Female to N Female 4 Hole Flange Adapter	DWG NO SM4233			CAGE CODE 3FKR5		
	CAD FILE 120517	SHEET 1 OF 1	SCAL	E N/A	SIZE A	7361