

## RF Adapter, 45 Degree Angle SMA jack to SMA jack 27GHz VSWR1.15

SMA adapter FMAD1595 from Fairview Microwave is part of a very large selection of in-stock interconnect RF components. Our SMA to SMA adapter is a coaxial adapter design with a 50 Ohm impedance. This 50 Ohm SMA adapter is manufactured to precise RF adapter specifications and has a maximum VSWR of 1.150.

Our in-series connection type RF adapter, which operates to 27 GHz makes connections in tight spaces easier. This passivated stainless steel RF adapter can be used to make connections between two connector types that would not otherwise mate. This SMA adapter contains beryllium copper contacts with gold over nickel contact plating.

This SMA to SMA adapter is constructed with female gender on side 1 and female on side 2. FMAD1595 SMA female to SMA female coaxial adapter from Fairview has a 45-degree angled body ideal for routing RF/Microwave signals in tight spaces. Additionally, RF adapters can be utilized to protect connectors on expensive equipment where the number of connect and disconnect cycles is high.

Fairview SMA female to SMA female adapter is part of over one million RF microwave and millimeter wave components in stock. 45-degree angle RF SMA adapter is ready for same day purchase and shipping worldwide. We also stock and/or custom build SMA coaxial cables that ship quickly from our facility for all your RF adapter component needs.

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		27	GHz
VSWR			1.15:1	

### Specifications by Frequency

Description	F1	F2	F3	F4	F5	Units
Frequency Range	DC to 1	1 to 4	4 to 8	8 to 12	12 to 27	GHz
Insertion Loss, Max	0.06	0.12	0.17	0.208	0.312	dB

### Mechanical Specifications

<b>Size</b>	
Length	0.84 in [21.34 mm]
Width	0.33 in [8.38 mm]
Height	0.51 in [12.95 mm]
Weight	0.02 lbs [9.07 g]

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Polarity	Standard	Standard



### Configuration:

- SMA Female Connector 1
- SMA Female Connector 2
- 50 Ohm
- 45 Degree Body Geometry

### Features:

- VSWR of 1.15:1 max up to 27 GHz
- Gold over Nickel Plated Beryllium Copper Contact

### Applications:

- General Purpose Test

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### Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	SMA Female
Contact Material	Beryllium Copper	Beryllium Copper
Contact Plating	Gold over Nickel	Gold over Nickel
Outer Contact Material	Passivated Stainless Steel	Passivated Stainless Steel
Body Material	Passivated Stainless Steel	Passivated Stainless Steel

### Environmental Specifications

#### Temperature

Operating Range

Humidity

Thermal Shock

Salt Spray

-65 to +165 deg C

MIL-STD-202, Method 206

MIL-STD-202, Method 107, Condition B

MIL-STD-202, Method 101, Condition B

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

### Plotted and Other Data

Notes:

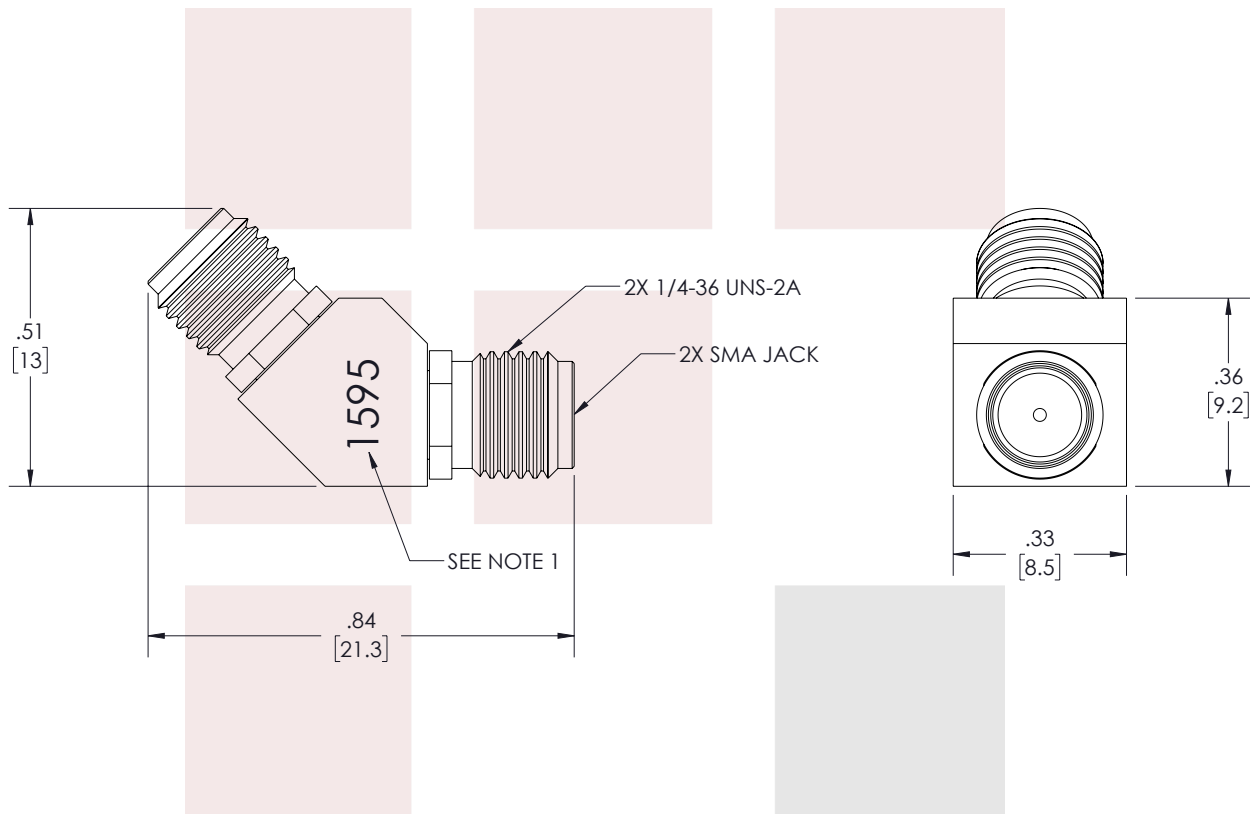
RF Adapter, 45 Degree Angle SMA jack to SMA jack 27GHz VSWR1.15 from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [RF Adapter, 45 Degree Angle SMA jack to SMA jack 27GHz VSWR1.15 FMAD1595](#)

URL: <https://www.fairviewmicrowave.com/angle-undefined-sma-female-to-sma-female-adapter-mil-std-202-method-206-with-passivated-stainless-steel-body-fmad1595-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume any liability arising out of the use of any part or documentation.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
A	INITIAL RELEASE	11/03/2022	DWANG



- NOTES:  
1. ITEM IS MARKED WITH ITEM NUMBER APPROXIMATELY WHERE SHOWN.

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<p><b>Fairview Microwave</b> an INFINIT<sup>®</sup> brand</p>	<p>UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES DIMENSIONS IN [ ] ARE MILLIMETERS</p> <p>TOLERANCES:                      CABLE LENGTH (L) TOLERANCES:</p> <table border="0"> <tr> <td>.X = ±.2 [5.08]</td> <td>FRACTIONS</td> <td>L ≤ 12 [305] = +1 [25] / -0</td> </tr> <tr> <td>.XX = ±.02 [.51]</td> <td>± 1/32</td> <td>12 [305] &lt; L ≤ 60 [1524] = +2 [51] / -0</td> </tr> <tr> <td>.XXX = ±.005 [.13]</td> <td>ANGLES ± 1°</td> <td>60 [1524] &lt; L ≤ 120 [3048] = +4 [102] / -0</td> </tr> <tr> <td></td> <td></td> <td>120 [3048] &lt; L ≤ 300 [7620] = +6 [152] / -0</td> </tr> <tr> <td></td> <td></td> <td>300 [7620] &lt; L = +5%L / -0</td> </tr> </table>		.X = ±.2 [5.08]	FRACTIONS	L ≤ 12 [305] = +1 [25] / -0	.XX = ±.02 [.51]	± 1/32	12 [305] < L ≤ 60 [1524] = +2 [51] / -0	.XXX = ±.005 [.13]	ANGLES ± 1°	60 [1524] < L ≤ 120 [3048] = +4 [102] / -0			120 [3048] < L ≤ 300 [7620] = +6 [152] / -0			300 [7620] < L = +5%L / -0	<p>THIRD-ANGLE PROJECTION</p> <p>THE INFORMATION AND DESIGN IN THIS DOCUMENT IS THE PROPERTY OF FAIRVIEW MICROWAVE CORPORATION. ALL RIGHTS RESERVED.</p>
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<p>SIZE A</p>	<p>CAGE CODE 3FKR5</p>	<p>DRAWN BY AKRESOWSKI</p>	<p>ITEM NO. FMAD1595</p> <p>REV A</p>															

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