

SMA Female to 7mm Adapter

SMA female to 7mm adapter part number SM3360 from Fairview Microwave is in-stock and ships same day. This Fairview SMA to 7mm adapter has a female to sexless gender configuration in a precision design. SM3360 SMA female to 7mm adapter operates to 18 GHz. The Fairview Microwave RF adapter provides excellent VSWR of 1.15:1 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	Min	Typ	Max	Units
Frequency Range	DC		18	GHz
VSWR			1.15:1	

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

Mechanical Specifications

Size	
Length	1.2 in [30.4 mm]
Weight	0.08818 lbs [40 g]

Description	Connector 1	Connector 2
Type	SMA Female	7mm Sexless
Polarity	Standard	Standard
Mating Cycles	500	500
Mating Torque		12 to 15 in-lbs [1.36 to 1.70 Nm]



Configuration:

- SMA Female Connector 1
- 7mm Sexless Connector 2
- 50 Ohm
- Precision Design
- Straight Body Geometry

Features:

- VSWR of 1.15:1 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
- Precision Test & Measurement

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Material Specifications

Description	Connector 1	Connector 2
Type	SMA Female	7mm Sexless
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	
Outer Contact Plating Spec.	AMS-2700	
Body Material		Passivated Stainless Steel
Body Plating Spec.		AMS-2700
Coupling Nut Material		Passivated Stainless Steel
Coupling Nut Plating Spec.		AMS-2700

Environmental Specifications

Temperature

Operating Range

-55 to +100 deg C

Vibration

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

Salt Spray

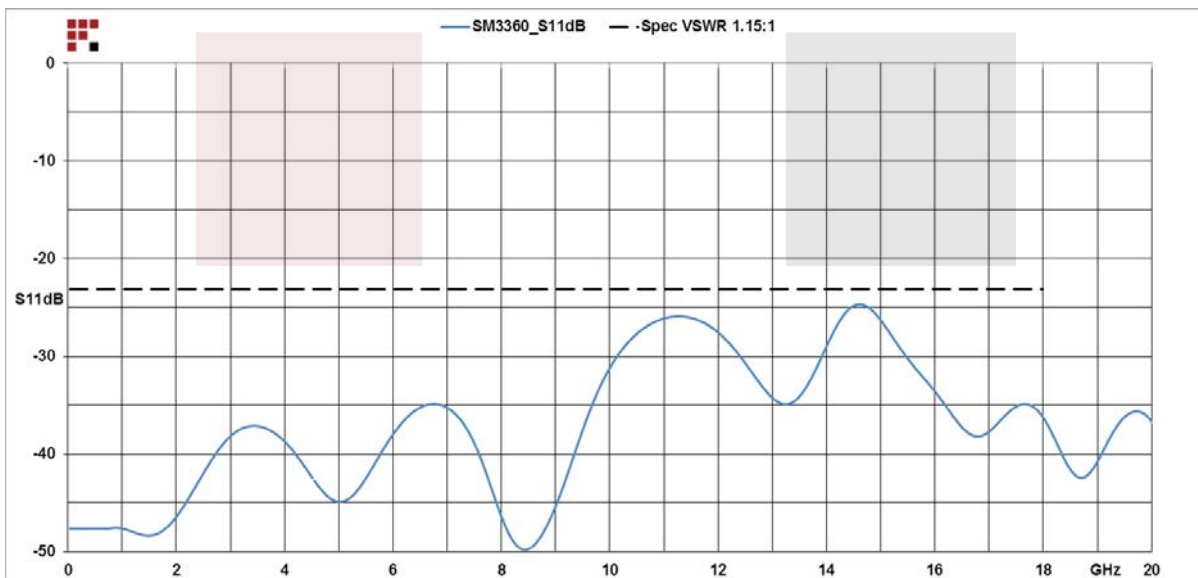
MIL-STD 202, Method 101, Condition B, 5% salt solution

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

Plotted and Other Data

Notes:

Typical Performance Data

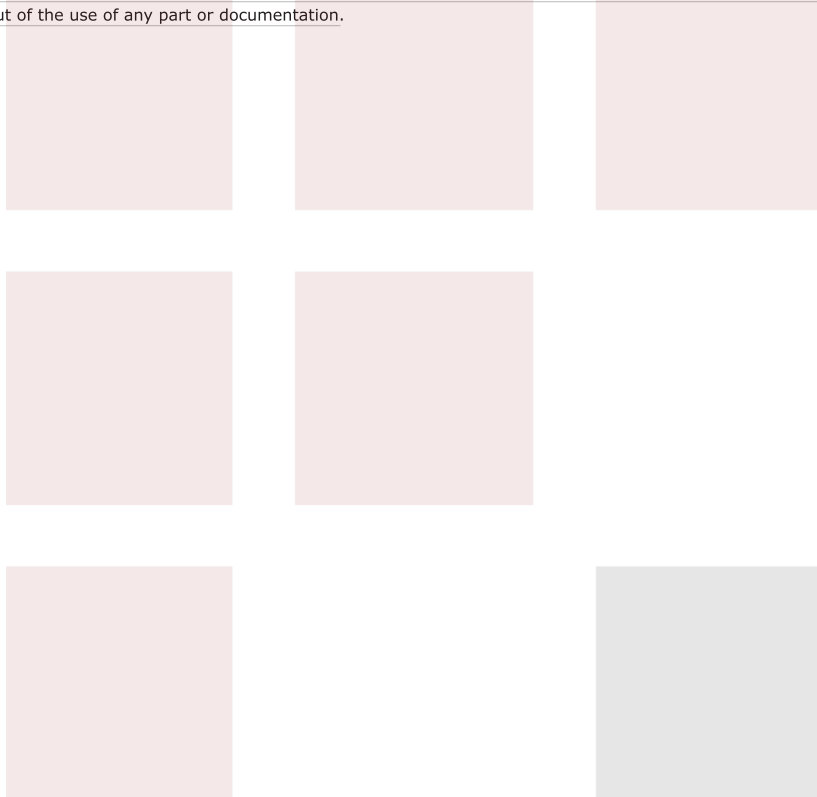


SMA Female to 7mm Adapter from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

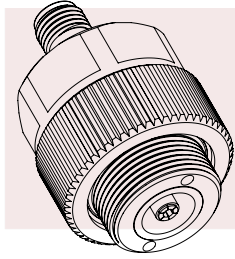
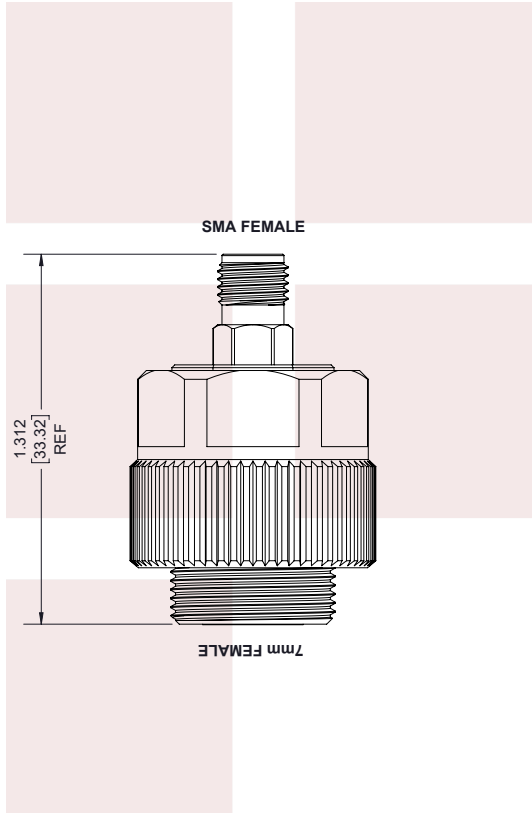
For additional information on this product, please click the following link: [SMA Female to 7mm Adapter SM3360](#)

URL: <https://www.fairviewmicrowave.com/sma-female-7mm-sexless-adapter-sm3360-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
A	PCR SM3360	4/27/2020
		APPROVED
		S. ELLIS



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TITLE

UNLESS OTHERWISE SPECIFIED LEADING DIMENSIONS ARE INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:

X = +.2	[5.08]	FRACTIONS	L ± .12 [3.05]	L ± .12 [3.05]	L ± .12 [3.05]	L ± .12 [3.05]
.XX = ±.02	[.51]		60	±.02		
.XXX = ±.005	[.13]	ANGLES ± 1°	120 [3048]	L ± .30 [7.62]	L ± .61 [15.2]	L ± .61 [15.2]
			300 [7620]	L ± .61 [15.2]	L ± .61 [15.2]	L ± .61 [15.2]

CABLE LENGTH (L) TOLERANCES:

L ≤ 12 [305]	L ≤ 12 [305]	L ≤ 12 [305]	L ≤ 12 [305]	L ≤ 12 [305]	L ≤ 12 [305]	L ≤ 12 [305]
L ≤ 60 [1524]	L ≤ 60 [1524]	L ≤ 60 [1524]	L ≤ 60 [1524]	L ≤ 60 [1524]	L ≤ 60 [1524]	L ≤ 60 [1524]
L ≤ 120 [3048]	L ≤ 120 [3048]	L ≤ 120 [3048]	L ≤ 120 [3048]	L ≤ 120 [3048]	L ≤ 120 [3048]	L ≤ 120 [3048]
L ≤ 300 [7620]	L ≤ 300 [7620]	L ≤ 300 [7620]	L ≤ 300 [7620]	L ≤ 300 [7620]	L ≤ 300 [7620]	L ≤ 300 [7620]

THIRD ANGLE PROJECTION

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SHEET 1 OF 1

SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	3FKRS	K. DANG	SM3360	A

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