

SMA Male (Plug) Connector for RG316DS, RG188-DS Cable, Crimp/Solder

SMA male connector with crimp/solder attachment for RG316DS and RG188-DS, part number SC7067, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 12.4 GHz and offers excellent VSWR of 1.21:1.

Fairview's SMA male connector SC7067 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	DC		12.4	GHz
VSWR			1.21:1	
Operating Voltage (AC)			335	Vrms

Performance by Frequency

Description	F1	F2	F3	F4	F5	Units
Freq. Range	DC to 3					GHz
VSWR, Max	1.21:1					

Mechanical Specifications

Size	
Length	0.85 in [21.59 mm]
Width/Dia.	0.312 in [7.92 mm]
Weight	0.011 lbs [4.99 g]
Mating Torque	7 to 10 in-lbs [0.79 to 1.13 Nm]

Material Specifications

Description	Material	Plating
Contact	Brass	Gold 30 µin minimum
Insulation	PTFE	
Body	Passivated Stainless Steel	
Coupling Nut	Passivated Stainless Steel	



Configuration:

- SMA Male Connector
- MIL-STD-348A
- 50 Ohms
- Straight Body Geometry
- RG316DS, RG188-DS Interface Type
- Crimp/Solder Attachment
- 5/16 inch Hex

Features:

- Operating Frequency of 12.4 GHz Max.
- Excellent VSWR of 1.21:1
- Gold Plated Brass Contact
- 30 µin minimum contact plating

Applications:

- General Purpose Test
- Custom Cable Assemblies

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Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

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

Plotted and Other Data

Notes:

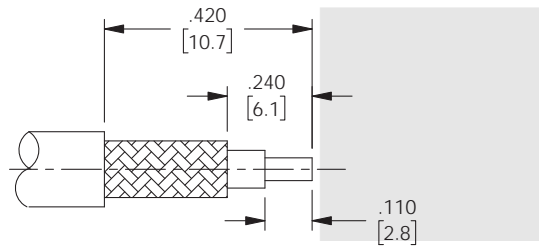
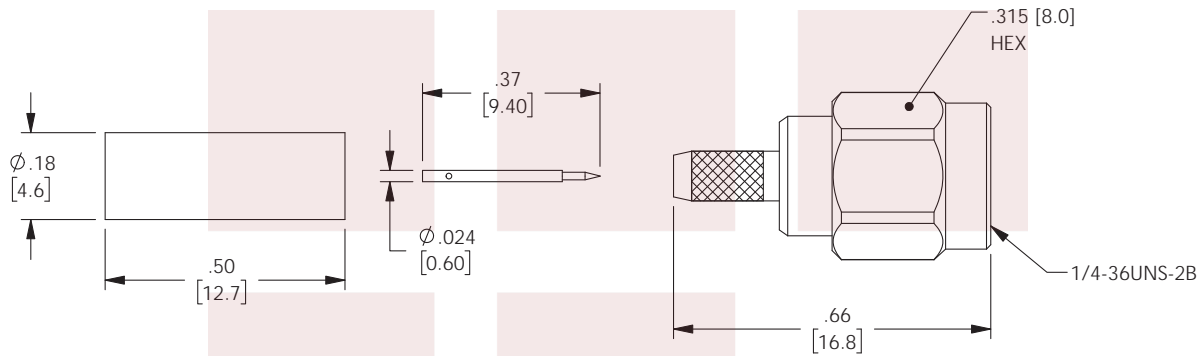
SMA Male (Plug) Connector for RG316DS, RG188-DS Cable, Crimp/Solder from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [SMA Male \(Plug\) Connector for RG316DS, RG188-DS Cable, Crimp/Solder SC7067](#)

URL: <https://www.fairviewmicrowave.com/sma-male-rg316ds-rg188-ds-connector-sc7067-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	REVISED STRIPPING DIMENSIONS	06/03/2021	SELLIS



RECOMMENDED STRIPPING DIMENSIONS

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TITLE
SMA Male (Plug) Connector for RG316DS, RG188-DS Cable, Crimp/Solder

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

TOLERANCES: CABLE LENGTH (L) TOLERANCES:

$.X = \pm .2$ [5.08]	FRACTIONS	$L \leq 12$ [305] = +1 [25] / -0
$.XX = \pm .02$ [51]	$\pm 1/32$	12 [305] < $L \leq 60$ [1524] = +2 [51] / -0
$.XXX = \pm .005$ [13]	ANGLES $\pm 1^\circ$	60 [1524] < $L \leq 120$ [3048] = +4 [102] / -0
		120 [3048] < $L \leq 300$ [7620] = +6 [152] / -0
		300 [7620] < $L = +5\%L$ / -0

THIRD-ANGLE PROJECTION



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SHEET 1 OF 1

ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY.

SCALE N/A

SIZE A	CAGE CODE 3FKR5	DRAWN BY DFRISIELLO	ITEM NO. SC7067	REV A
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