

SMA Male Connector Clamp/Solder Attachment For Harbour LL142 Cable

SMA male connector with clamp/solder attachment for Harbour LL142, part number SC7212, from Fairview Microwave is in-stock and ships same day. This SMA male connector operates up to a maximum frequency of 18 GHz and offers excellent VSWR of 1.25:1.

Fairview's SMA male connector SC7212 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		18	GHz
VSWR			1.25:1	
Operating Voltage (AC)			335	Vrms
DWV (AC)			1,000	Vrms
High Potential Voltage 5 to 7.5 MHz			670	Vrms
Corona Discharge at 70,000 feet			250	Vrms
Insulation Resistance	5,000			MOhms

Electrical Specification Notes:
 Values at +25°C, sea level.
 RF leakage -90 dB min (DC to 1 GHz).

Mechanical Specifications

Size	
Length	0.94 in [23.88 mm]
Weight	0.02161 lbs [9.8 g]
Mating Cycles	500 Cycles

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel 50 µin minimum
Insulation	PTFE	
Body	Passivated Stainless Steel	SAE-AMS-2700



Configuration:

- SMA Male Connector
- MIL-STD-348
- 50 Ohms
- Straight Body Geometry
- Harbour LL142 Interface Type
- Clamp/Solder Attachment
- 11/32 inch Hex

Features:

- Operating Frequency of 18 GHz Max.
- Excellent VSWR of 1.25:1
- Gold over Nickel Plated Beryllium Copper Contact
- 50 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
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 213, Cond. I
Vibration	MIL-STD-202, Method 204, Cond. D
Thermal Shock	MIL-STD-202, Method 107, Cond. B
Salt Spray	MIL-STD-202, Method 101, Cond. B, 5%

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

Plotted and Other Data

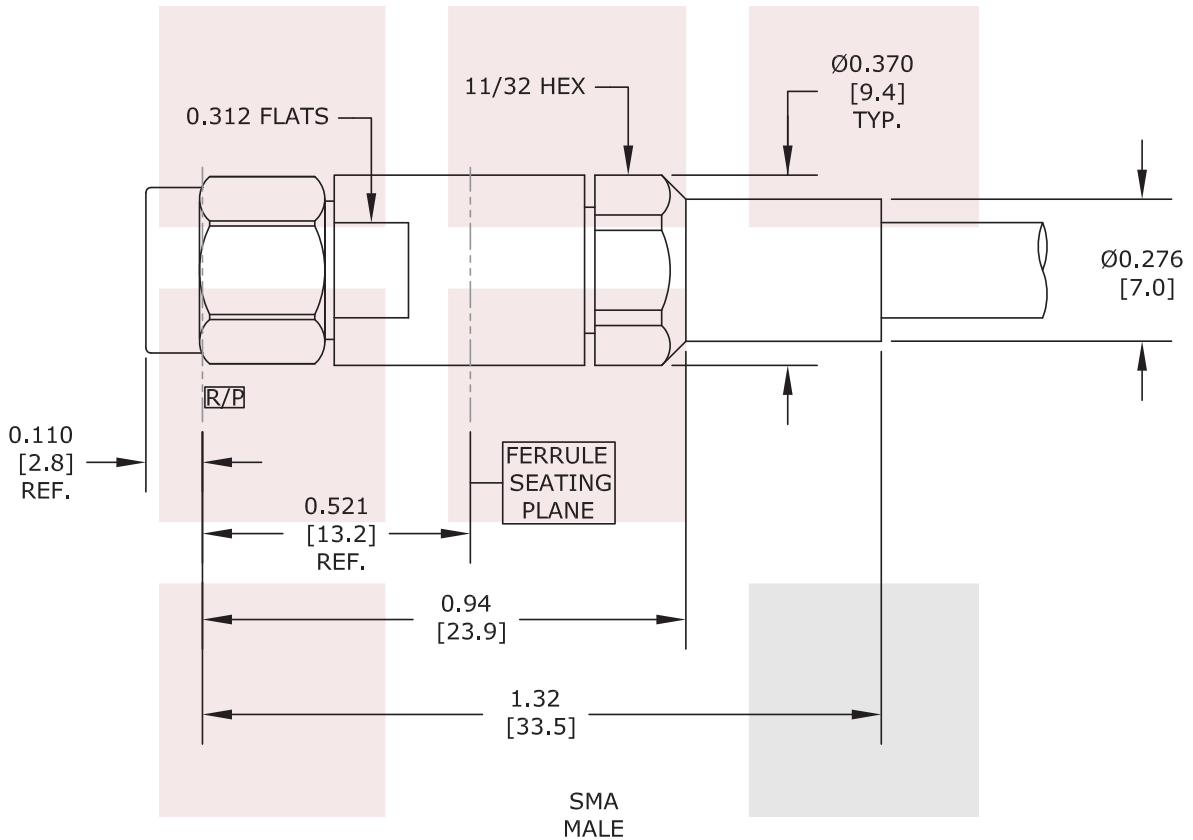
Notes:

SMA Male Connector Clamp/Solder Attachment For Harbour LL142 Cable 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 Male Connector Clamp/Solder Attachment For Harbour LL142 Cable SC7212](#)

URL: <https://www.fairviewmicrowave.com/sma-male-standard-harbour-ll142-connector-sc7212-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.



STANDARD TOLERANCES	
.X	±0.2
.XX	±0.1
.XXX	±0.05

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

FAIRVIEW MICROWAVE INC.		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].			
ALLEN, TX 75013 WWW.FAIRVIEWMICROWAVE.COM		DWG NO		CAGE CODE	
TITLE SMA Male Connector Clamp/Solder Attachment For Harbour LL142 Cable		SC7212		3FKR5	
		CAD FILE	121416	SHEET	SCALE N/A