

ASMHxxxZA113S11

Stripped and Tinned to SMA Female Bulkhead Front Mount with 1.13mm Cable Assembly



Key Features

- Stripped and tinned end
- Connector: SMA Female bulkhead front mount
- 1.13mm Coaxial Cable
- Impedance: 50Ω
- Lengths: 100mm / 150mm / 300mm
- Suggested Working Frequency: DC to 6GHz

Typical Applications

- Stripped and tinned ends offer easier soldering, prevent wire fraying, and improve connection reliability.
- Front-mount SMA Female connector ensures secure, front-side installation with a clean external finish.
- Cellular Modules, Wi-Fi/Bluetooth Devices, Drones/Robotics, Medical Devices and Wearable Devices.

Stripped & Tinned	SMAF Frontmount	1.13 Coax	100 MM Length	150 MM Length
300 MM Length	BLE Bluetooth	ZB Zigbee	Wi-Fi 5 / 6 / 7	LoRa Wireless
5G New Radio	4G LTE	ISM DC to 6G	GNSS	

Environmental Specifications

- Operating Temperature: -40 to +90 °C
- RoHS and REACH compliant

Ordering Details

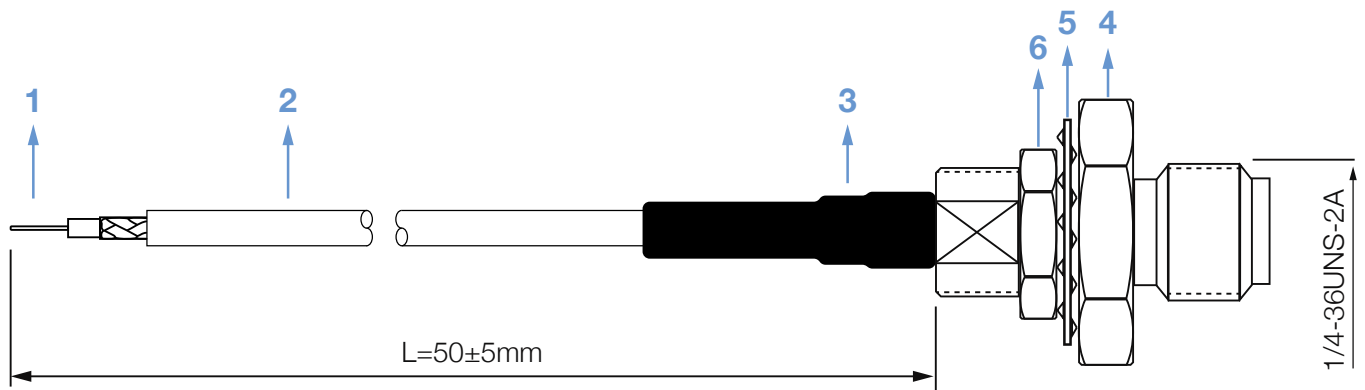
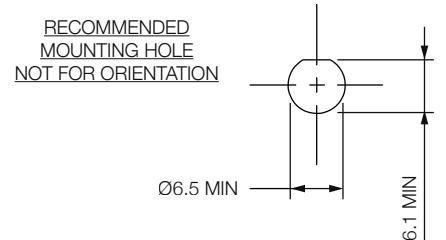
Part Number	Description
ASMH010ZA113S11	Stripped and Tinned to SMA Female Bulkhead Front Mount 100 mm with 1.13 mm Cable
ASMH015ZA113S11	Stripped and Tinned to SMA Female Bulkhead Front Mount 150 mm with 1.13 mm Cable
ASMH030ZA113S11	Stripped and Tinned to SMA Female Bulkhead Front Mount 300 mm with 1.13 mm Cable

Customisation Available: We also offer customisation of cable lengths to meet your specific requirements. Whether you need a shorter or longer cable, we can tailor the solution to fit your exact needs - siretta@sales.com

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Dimensional Drawing



Electrical Data

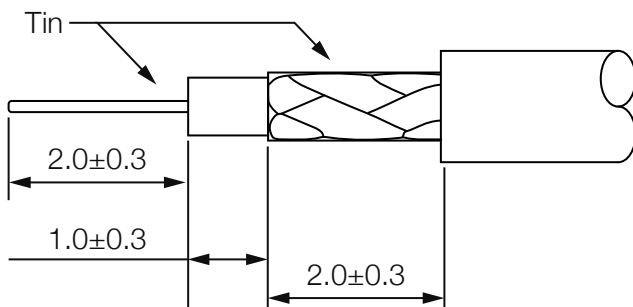
- 100% continuity, short circuit test.
- Impedance: 50 Ω

General Tolerances

- Connector: ±.2
- Strip: ±0.3

No.	Description	Quantity
1	Tin	1
2	1.13 Coaxial Cable (Gray)	1
3	Heat Shrink (Black)	1
4	Nut	1
5	Washer	1
6	SMA Straight Bulkhead Jack (Front Mount)	1

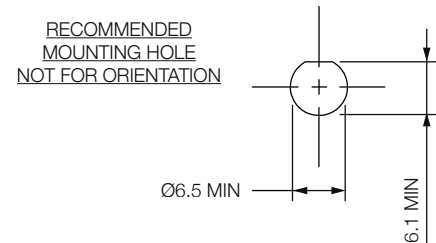
Tin Detail



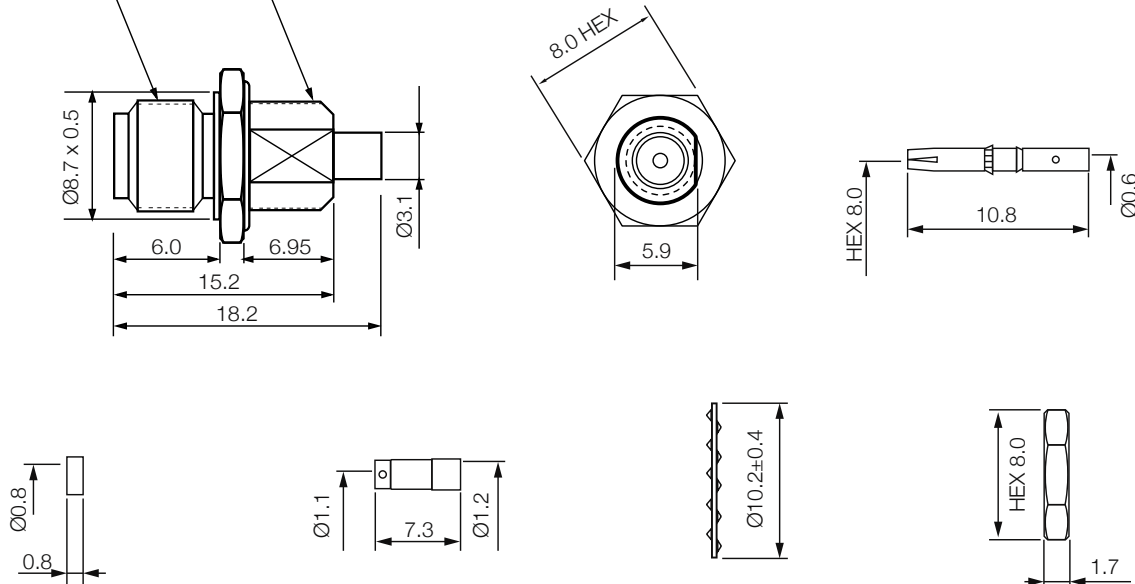
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SMA-F Detailed Drawing



1/4 - 36UNS 2A

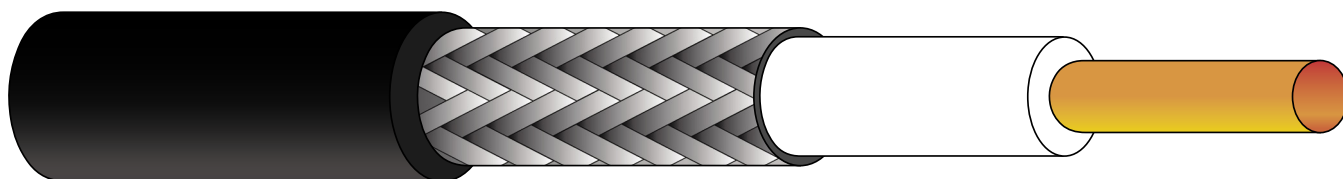
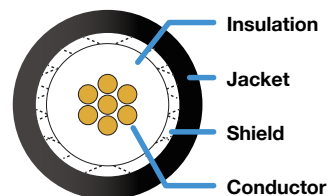


No.	Description	Material	Quantity
1	Body	Brass	1
2	Insulator A	Teflon	1
3	Center Pin	Be.Cu	1
4	Insulator B	Teflon	1
5	Sleeve	Brass	1
6	Washer	Brass	1
7	Nut	Brass	1

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1.13 Coaxial Cable Specification



Jacket	Braided Shield	Insulation	Conductor
Material FEP	Material Tinned Copper	Material FEP	Material Silver Coated Copper
Colour Grey/Black/Custom	Construction 16 / 4 / 0.050 mm	Average Thickness 0.22 mm	Construction 32AWG (7/0.085 mm)
Average Thickness 0.12 mm	Coverage 90%	Colour Clear	Diameter 0.26 mm
Diameter 1.13±0.1 mm		Diameter 0.70±0.03 mm	

Electrical Specifications

Impedance:	50 ± 3 Ω
Conductor Resistance:	314 Ω/km 20°C Max
Insulation Resistance:	3000 MΩ-km Min
Capacitance:	96± 3 pF/M
Dielectric Strength:	AC 500 V/Minute
Spark Test:	1 kV
Nom. Vel. of. Prop:	69%
VSWR Test (0~6 GHz):	1.35 Max
VSWR Test (6~8 GHz):	1.45 Max
Flame Test:	VW-1 OK

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Physical Specifications

Item:	1.13 mm (32AWG)
Rating Temp Voltage:	105°C 30V
Minimum Bend Radius:	5.0 mm
Recognised:	UL 1979
Operating Temperature range:	-40°C ~ +200°C
Storage Temperature range:	-40°C ~ +200°C

Insulation - Unaged

Tensile Strength:	2500 PSI Min (1.76 Kg / (mm ²))
Elongation:	200% Min

Insulation - Aged

Tensile Strength:	UNAGED Min.75% (232°C×168HRS)
Elongation:	UNAGED Min.75% (232°C×168HRS)

Jacket - Unaged

Tensile Strength:	2500 PSI Min. (1.76 Kg / (mm ²))
Elongation:	200% Min

Jacket - Aged

Tensile Strength:	UNAGED Min.75% (232°C×168HRS)
Elongation:	UNAGED Min.75% (232°C×168HRS)

Attenuation (across frequency)

Frequency (GHz)	1 GHz	2 GHz	3 GHz	4 GHz	5 GHz	6 GHz	7 GHz	8 GHz
dB/1m	2.20	3.10	3.90	4.50	5.00	5.50	6.10	6.70
dB/ft	0.67	0.95	1.19	1.37	1.52	1.68	1.86	2.04

Mouser Electronics

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