

ASMHxxxZN113S11

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



Key Features

- Stripped and tinned end
- Connector: RP-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 RP-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.

Environmental Specifications

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

| | | | | |
|-------------------|---------------|--------------|-----------------|---------------|
| Stripped & Tinned | RP SMAF | 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 | |

Ordering Details

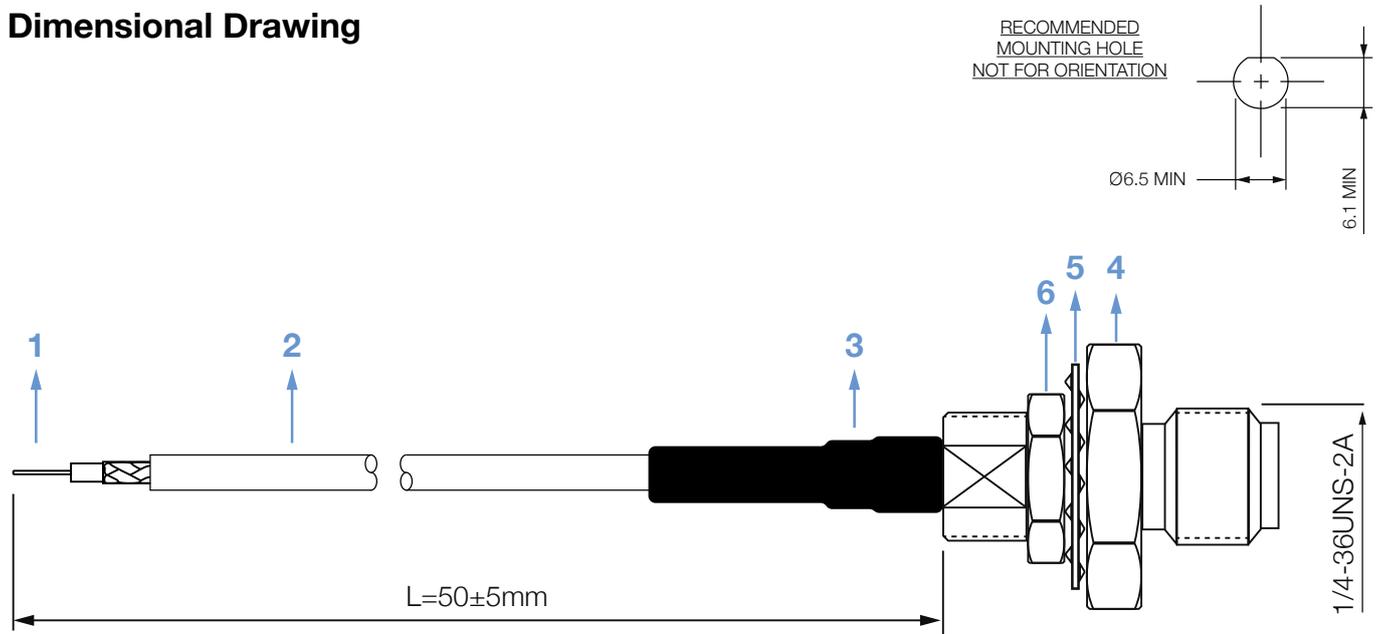
| Part Number | Description |
|-----------------|---|
| ASMH010ZN113S11 | Stripped and Tinned to RP-SMA Female Bulkhead Front Mount 100 mm with 1.13 mm Cable |
| ASMH015ZN113S11 | Stripped and Tinned to RP-SMA Female Bulkhead Front Mount 150 mm with 1.13 mm Cable |
| ASMH030ZN113S11 | Stripped and Tinned to RP-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

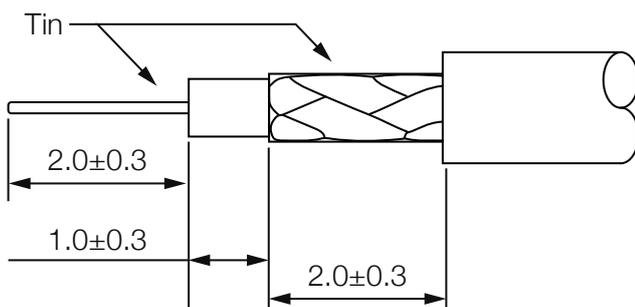
- 100% continuity, short circuit test.
- Impedance: 50 Ω

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 | RP-SMA Straight Bulkhead Jack (Front Mount) | 1 |

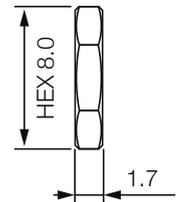
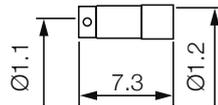
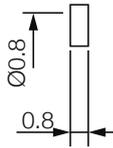
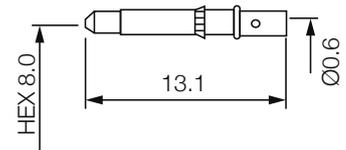
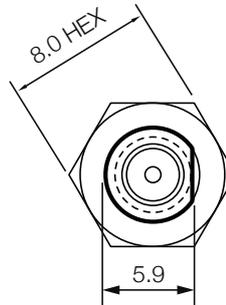
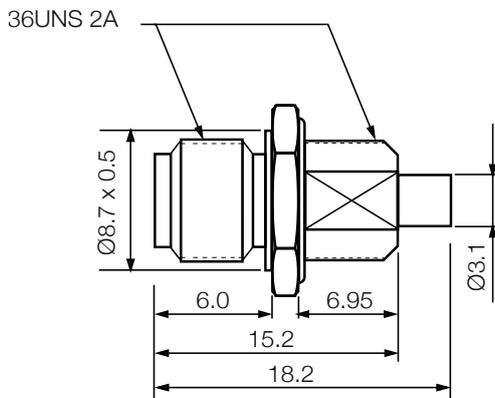
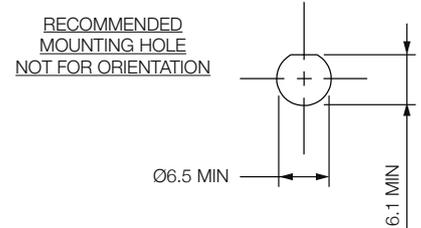
Tin Detail



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SMA-F Detailed Drawing

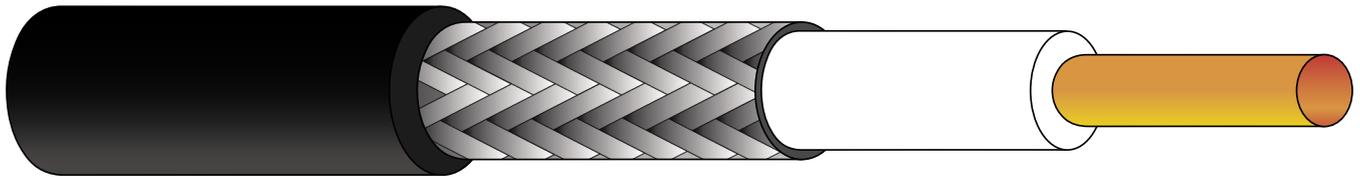
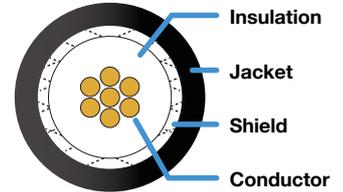


| No. | Description | Material | Quantity |
|-----|-------------|----------|----------|
| 1 | Body | Brass | 1 |
| 2 | Insulator A | Teflon | 1 |
| 3 | Center Pin | Be.Cu | 1 |
| 4 | Insulator B | Teflon | 1 |
| 5 | Sleeve | Brass | 1 |
| 6 | Washer | Brass | 1 |
| 7 | Nut | Brass | 1 |

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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°Cx168HRS) |
| Elongation: | UNAGED Min.75% (232°Cx168HRS) |

Jacket - Unaged

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

Jacket - Aged

| | |
|-------------------|-------------------------------|
| Tensile Strength: | UNAGED Min.75% (232°Cx168HRS) |
| Elongation: | UNAGED Min.75% (232°Cx168HRS) |

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 |