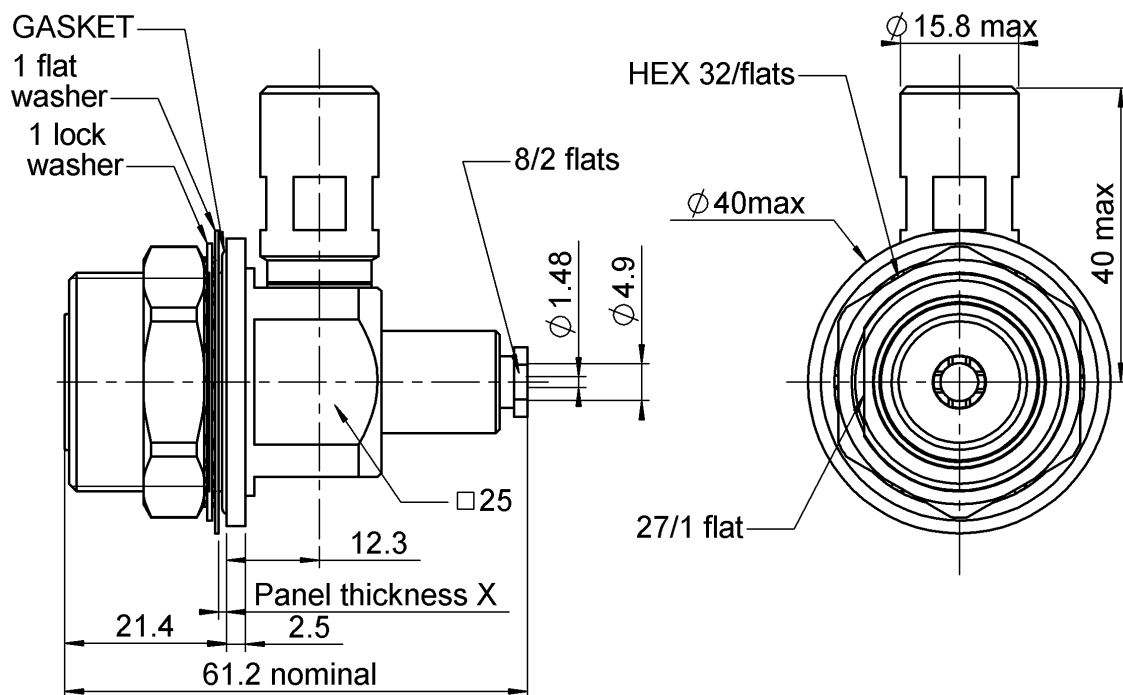


## QUARTER WAVE STUB 1850-1990 MHZ

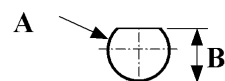
BULKHEAD 7-16 F SOLDER TYPE CABLE SHF5LI

**R446.Q01.102**

Series : QWS

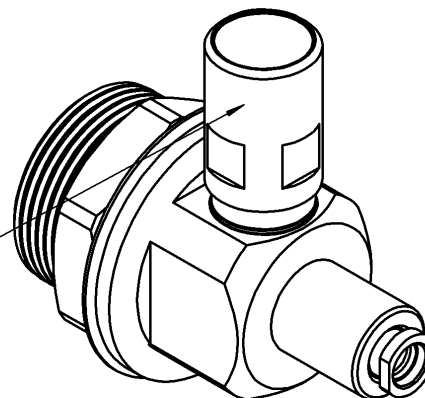


X : mini = 1.5  
maxi = 4

**PANEL CUT OUT**


| mm |      |      |
|----|------|------|
|    | Maxi | mini |
| A  | 29.4 | 29.2 |
| B  | 27.5 | 27.3 |

Etiquette  
LABEL  
RADIALL  
R446Q01102  
QWS 1850-1990MHz  
Lot: An Se



All dimensions are in mm.



| COMPONENTS     | MATERIALS               | PLATINGS (μm)            |
|----------------|-------------------------|--------------------------|
| BODY           | BRASS                   | BBR 0.5 OVER SILVER 3    |
| CENTER CONTACT | BERYLLIUM COPPER, BRASS | SILVER 5 OVER COPPER 0.5 |
| OUTER CONTACT  | BRASS                   | BBR 0.5 OVER SILVER 5    |
| INSULATOR      | PTFE                    |                          |
| GASKET         | SILICONE RUBBER         |                          |
| OTHERS PARTS   | BRASS                   | BBR 2                    |
| -              | -                       | -                        |
| -              | -                       | -                        |

Issue : 0149 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



**QUARTER WAVE STUB 1850-1990 MHZ****BULKHEAD 7-16 F SOLDER TYPE CABLE SHF5LI****R446.Q01.102**

Series : QWS

**PACKAGING**

| Standard | Unit | Other             |
|----------|------|-------------------|
| <b>1</b> | -    | <b>Contact us</b> |

**ELECTRICAL CHARACTERISTICS**

|                       |                            |                                                  |
|-----------------------|----------------------------|--------------------------------------------------|
| Impedance             |                            | <b>50</b> $\Omega$                               |
| First frequency band  | <b>1850</b> to <b>1990</b> | MHz                                              |
| VSWR                  |                            | <b>1.17</b> Maxi                                 |
| Insertion loss        |                            | <b>0.2</b> dB Maxi                               |
| Second frequency band | <b>NA</b> to <b>NA</b>     | MHz                                              |
| VSWR                  |                            | <b>NA</b> Maxi                                   |
| Insertion loss        |                            | <b>NA</b> dB Maxi                                |
| RF leakage            | - (                        | <b>100</b> - F(GHz)) dB Maxi                     |
| Residual Voltage      | <b>15</b> V at             | <b>2.5</b> kA (8/20 $\mu$ s test pulse waveform) |
| Intermodulation       |                            | <b>-110</b> dBm (2x20W)                          |

**MECHANICAL CHARACTERISTICS**Protected connector **7-16 - FEMALE**

Center contact retention

|                            |                     |
|----------------------------|---------------------|
| Axial force – Mating end   | <b>200</b> N mini   |
| Axial force – Opposite end | <b>100</b> N mini   |
| Torque                     | <b>NA</b> N.cm mini |

Recommended torque

|                    |                  |
|--------------------|------------------|
| Mating (protected) | <b>NA</b> N.cm   |
| Panel nut          | <b>3500</b> N.cm |
| Clamp nut          | <b>NA</b> N.cm   |
| A/F clamp nut      | <b>0.000</b> mm  |

Mating life

**500** Cycles mini

Weight

**237.210** g**ENVIRONMENTAL**

Operating temperature

**-40/+80** °C

Hermetic seal

**NA** Atm.cm3/s

Panel leakage

**IP67****SPECIFICATION****CABLE ASSEMBLY**

| Stripping | a    | b    | c    | d    | e    | f    |
|-----------|------|------|------|------|------|------|
| mm        | 3.00 | 5.00 | 8.00 | 0.00 | 0.00 | 0.00 |

Assembly instruction : **NA**

Recommended cable(s)

Cable retention

|            |                  |
|------------|------------------|
| - pull off | <b>90</b> N mini |
| - torque   | <b>NA</b> N.cm   |

**TOOLING**

| Part Number | Description | Hexagon |
|-------------|-------------|---------|
| .           | .           | .       |

**SURGE ARRESTER CAPSULE****(Not supplied)**Form **NA**Radiall part number : **NA**Recommended torque for nut **NA** N.cm**OTHERS CHARACTERISTICS**

-

**Issue : 0149 A**

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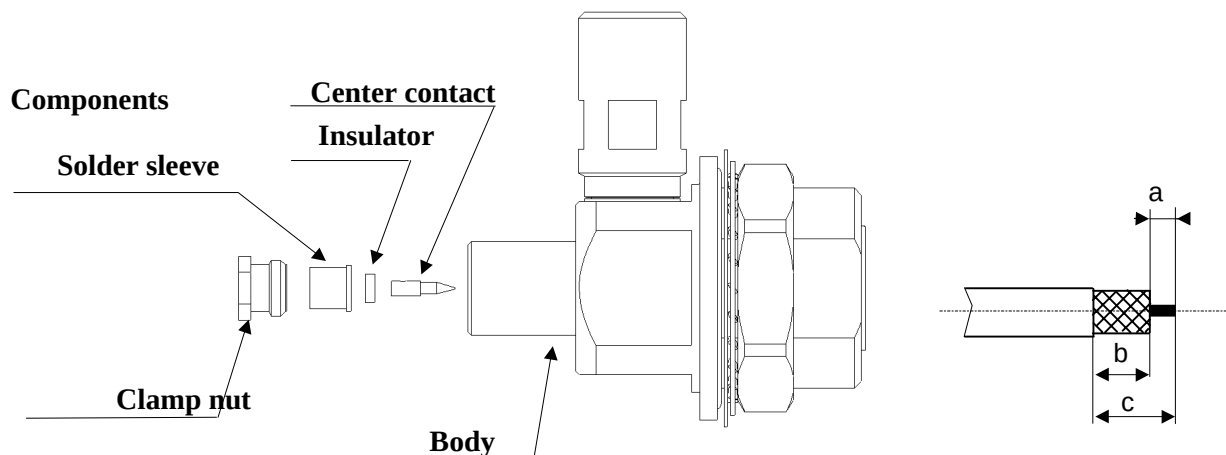


**QUARTER WAVE STUB 1850-1990 MHZ**

**BULKHEAD 7-16 F SOLDER TYPE CABLE SHF5LI**

**R446.Q01.102**

Series : QWS



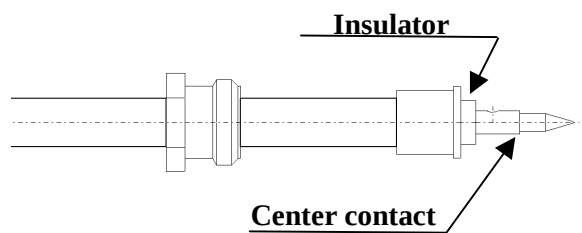
**1**

Slide the clamp nut on the cable.  
Strip the cable.



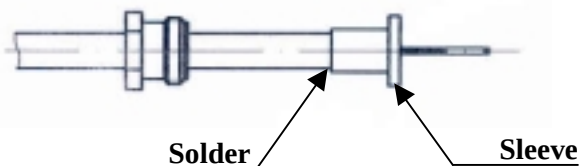
**3**

Slide the insulator and center contact on the cable



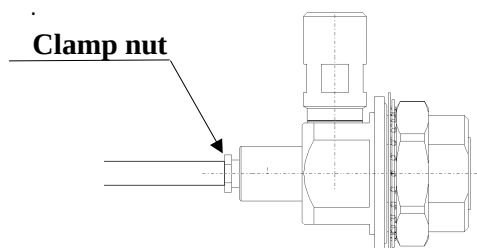
**2**

Slide the solder sleeve over the cable  
until bottoms against cable jacket .  
Solder the sleeve on the cable.  
Cut the excess of braid and dielectric leveled  
on the sleeve.



**4**

Slide this assembly full into the  
connector then screw the clamp nut .  
(Recommended coupling torque 15.05 in.lb)



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