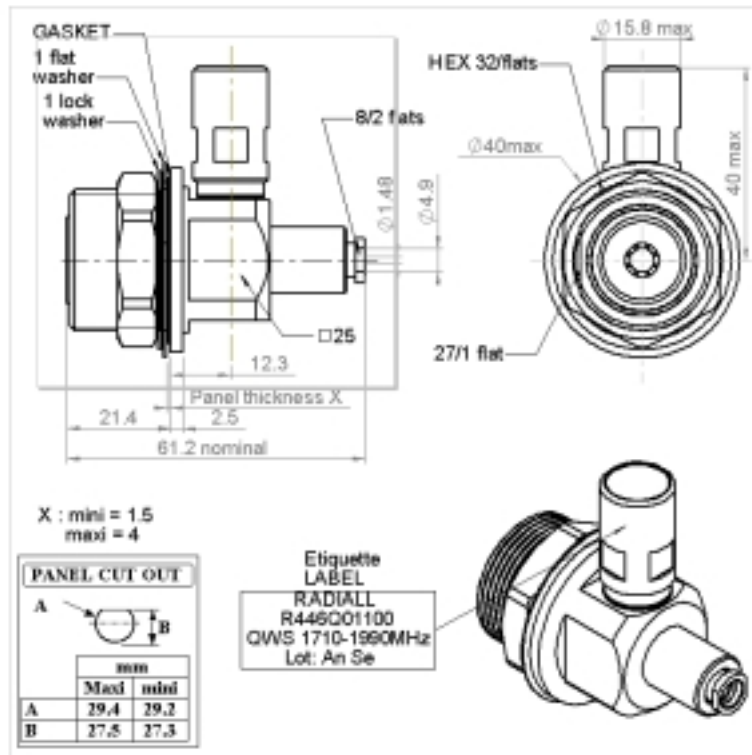


QUARTER WAVE STUB 1710-1990 MHZ

BULKHEAD 7-16 F SOLDER TYPE CABLE SHF5LI

R446.Q01.100

Series : QWS



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 : 0245 A

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



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Series : QWS

PACKAGING

Standard	Unit	Other
1	-	Contact us

ELECTRICAL CHARACTERISTICS

Impedance		50 Ω
First frequency band	1710 to 1990	MHz
VSWR		1.2 Maxi
Insertion loss		0.2 dB Maxi
Second frequency band	NA to NA	MHz
VSWR		NA Maxi
Insertion loss		NA dB Maxi
RF leakage	- (	100 - F(GHz)) dB Maxi
Residual Voltage	15 V at 2.5	kA (8/20 μ s test pulse waveform)
Intermodulation		-110 dBm (2x20W)

*Measured with 300mm cable and right angle 7-16 connector

MECHANICAL CHARACTERISTICSProtected connector **7-16 - FEMALE**

Center contact retention

Axial force – Mating end	200 N mini
Axial force – Opposite end	100 N mini
Torque	NA N.cm mini

Recommended torque

Mating (protected)	NA N.cm
Panel nut	3500 N.cm
Clamp nut	NA N.cm
A/F clamp nut	0.000 mm

Mating life **500** Cycles miniWeight **226.000** 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)
SHF 5LI

Cable retention

- pull off	90 N mini
- torque	NA 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 : 0245 A

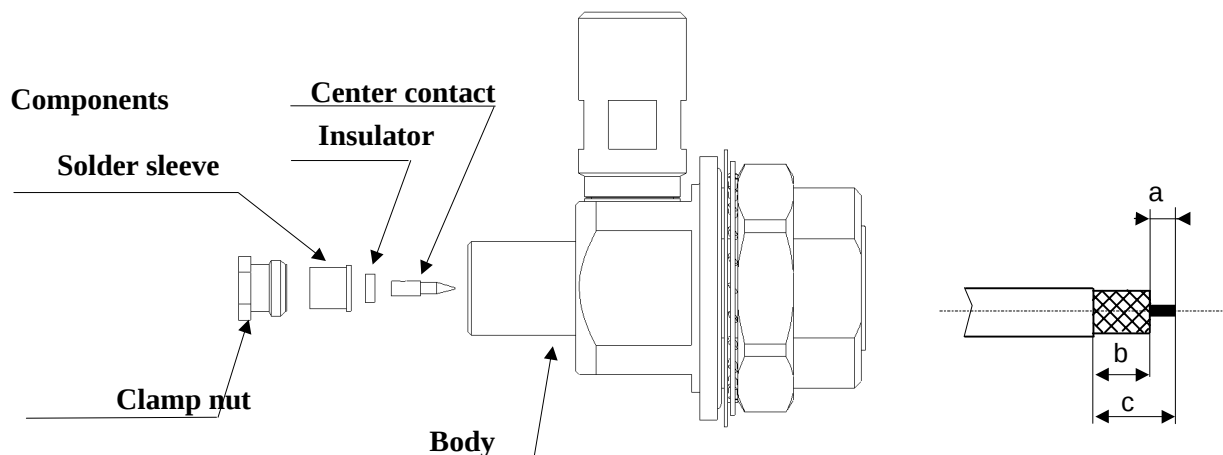
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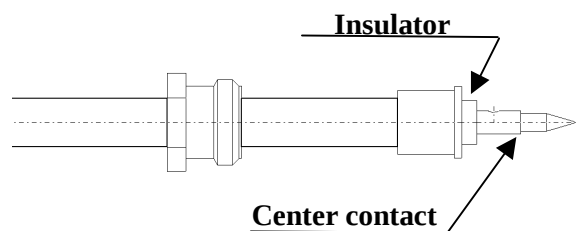
1

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



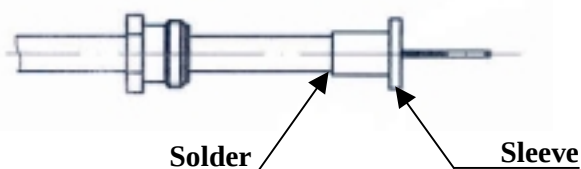
3

Slide the insulator and center contact on the cable



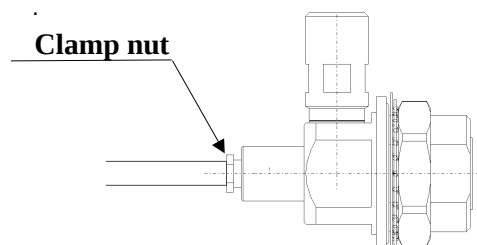
2

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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