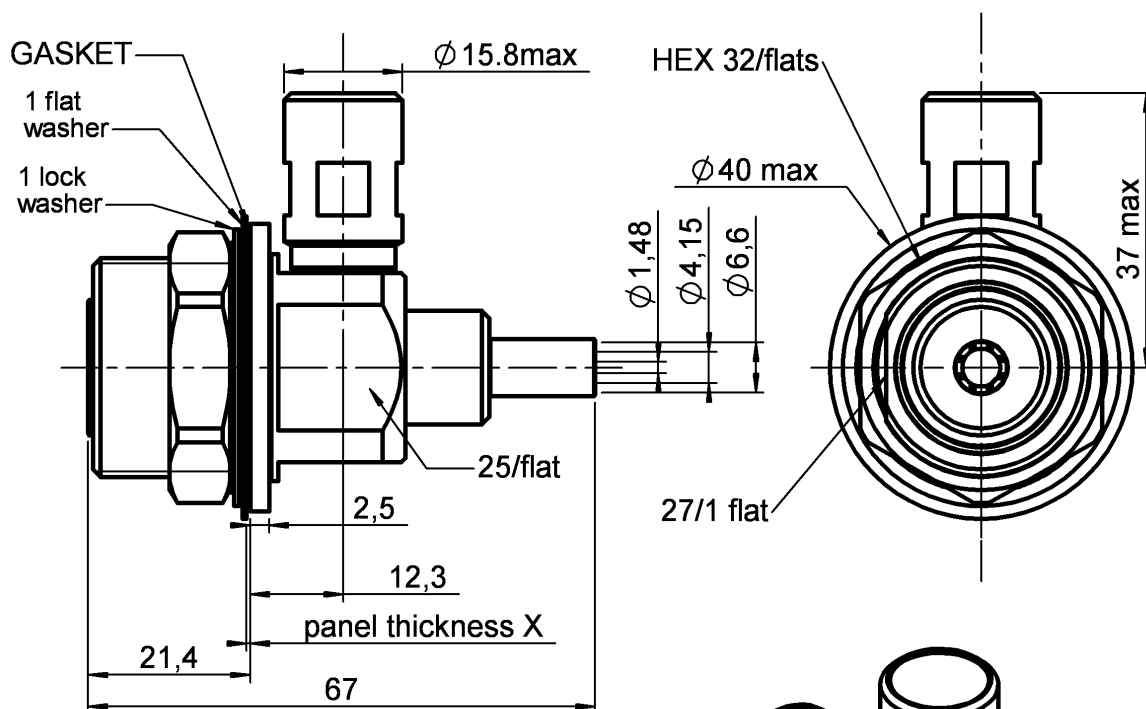


QUARTER WAVE STUB 1920-2170 MHZ

R446.Q01.004

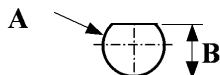
BULKH. 7-16F CRIMP TYPE CAB SHF5MD+5MD/1

Series : QWS



X : mini = 1.5
maxi = 4

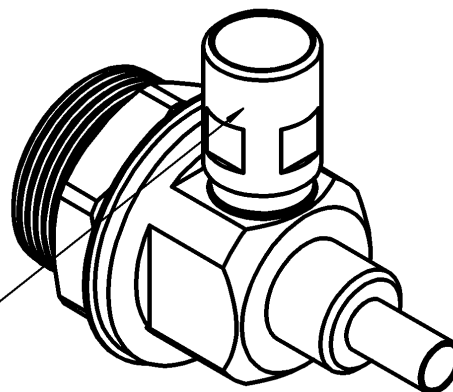
PANEL CUT OUT



mm		
	Maxi	mini
A	29.4	29.2
B	27.5	27.3

Etiquette
LABEL

RADIALL
R446Q01004
QWS 1920-2170MHz
Lot: An Se



All dimensions are in mm.



COMPONENTS

MATERIALS

PLATINGS (μm)

BODY
CENTER CONTACT
OUTER CONTACT
INSULATOR
GASKET
OTHERS PARTS

BRASS
BERYLLIUM COPPER, BRASS
BRASS
PTFE
SILICONE RUBBER
BRASS

BBR 0.5 OVER SILVER 3
SILVER 5 OVER COPPER 0.5
BBR 0.5 OVER SILVER 5

BBR 2

Issue : 0104 A

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



QUARTER WAVE STUB 1920-2170 MHZ**BULKH. 7-16F CRIMP TYPE CAB SHF5MD+5MD/1****R446.Q01.004**

Series : QWS

PACKAGING

Standard	Unit	Other
1	-	Contact us

ELECTRICAL CHARACTERISTICS

Impedance		50	Ω
First frequency band	1920 to 2170		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 CHARACTERISTICS

Protected 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 mini
Weight	233.314 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	10.5	15.0	0.00	12.0	0.00

Assembly instruction : NA

Recommended cable(s)

F 1700-005

F 1700-006

Cable retention

- pull off

90 N mini

- torque

NA N.cm**TOOLING**

Part Number	Description	Hexagon
.	.	.
R282.223.000	CRIMPING TOOL	6.48
R282.235.013	CRIMPING DIES	6.48
R282.293.000	CRIMPING TOOL	

SURGE ARRESTER CAPSULE**(Not supplied)**

Form NA

Radiall part number : NA

Recommended torque for nut

NA N.cm**OTHERS CHARACTERISTICS**

Issue : 0104 A

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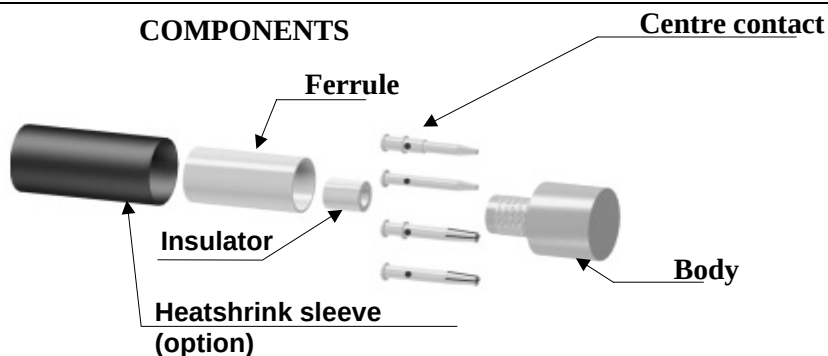
QUARTER WAVE STUB 1920-2170 MHZ

BULKH. 7-16F CRIMP TYPE CAB SHF5MD+5MD/1

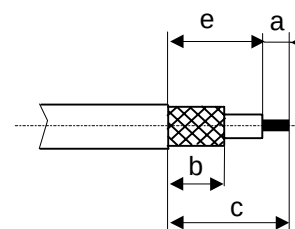
R446.Q01.004

Series : QWS

COMPONENTS

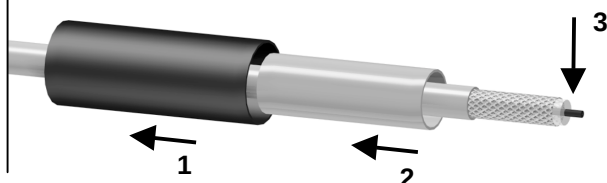


STRIPPING DIMENSIONS



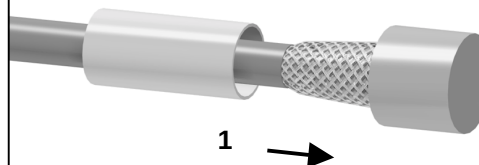
1

Slide the heatshrink sleeve onto the cable (Option).
Slide the ferrule onto the cable.
Strip the cable.



4

Slide the cable into the body until it bottoms against the insulator.



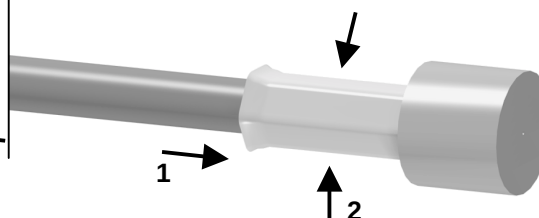
2

Slide the insulator and the centre contact on until it bottoms against the cable dielectric.
Solder the centre contact.
Clean solder area.



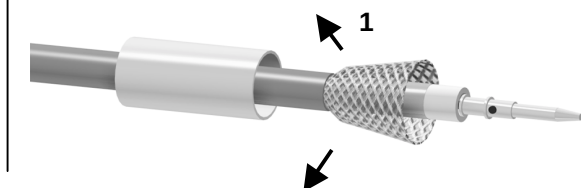
5

Slide the ferrule over the braid.
Crimp the ferrule with crimping tool (see connector TDS).



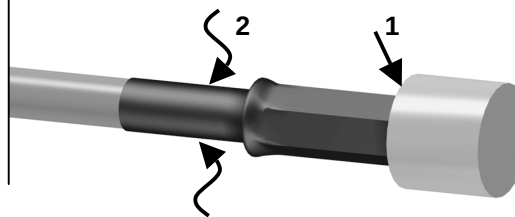
3

Fan the braid.
Nick aluminium tape and slightly open .
Flat braid slightly open .



6

Cut the excess of braid if necessary.
Slide the sleeve over the ferrule and heatshrink it in place (Option).



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