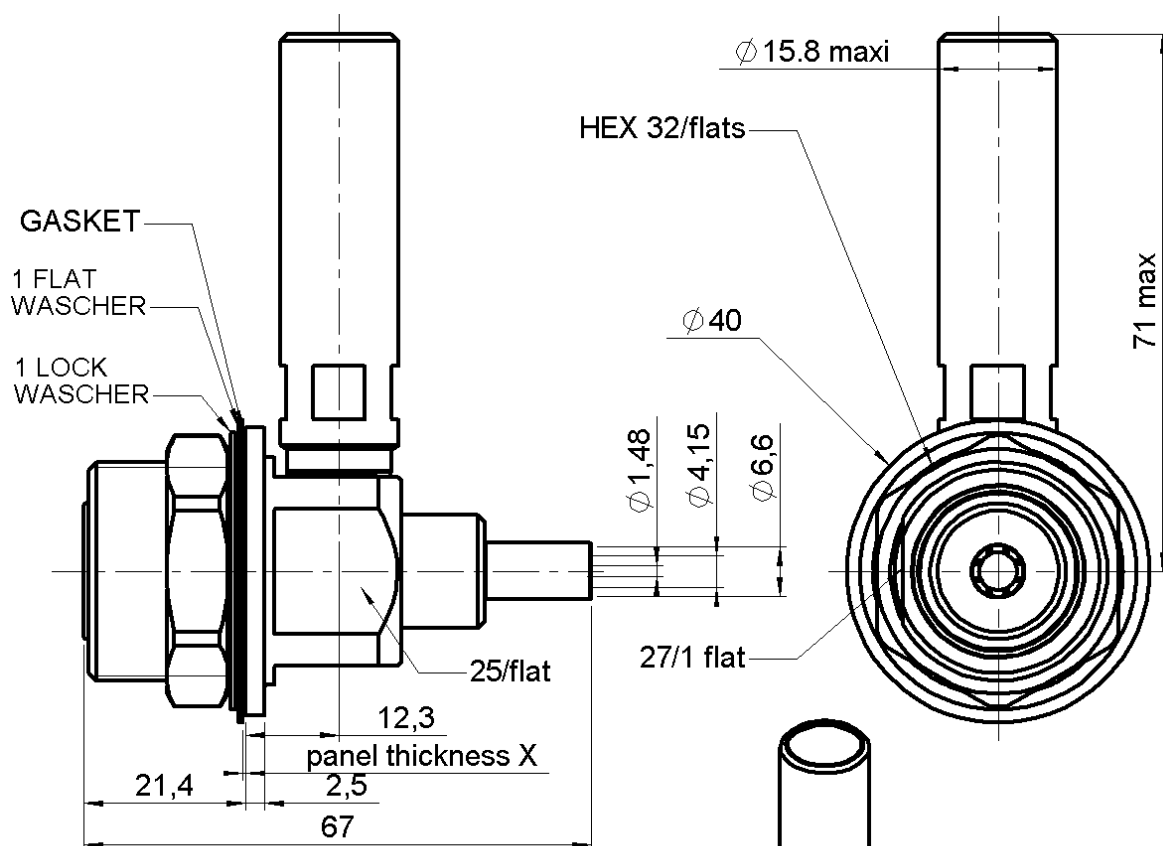


QUARTER WAVE STUB 824-960 MHZ

R446.Q01.002

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

Series : QWS



PANEL CUT OUT

X = mini = 1.5
maxi = 4

mm		
	Maxi	mini
A	29.4	29.2
B	27.5	27.3

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 : 0104 A

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



QUARTER WAVE STUB 824-960 MHZ**BULKH. 7-16F CRIMP TYPE CAB SHF5MD+5MD/1****R446.Q01.002**

Series : QWS

PACKAGING

Standard	Unit	Other
1	-	Contact us

ELECTRICAL CHARACTERISTICS

Impedance		50 Ω
First frequency band	824 to 960	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 mini
Weight	274.021	g

ENVIRONMENTAL

Operating temperature	-40/+80	$^{\circ}$ 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**

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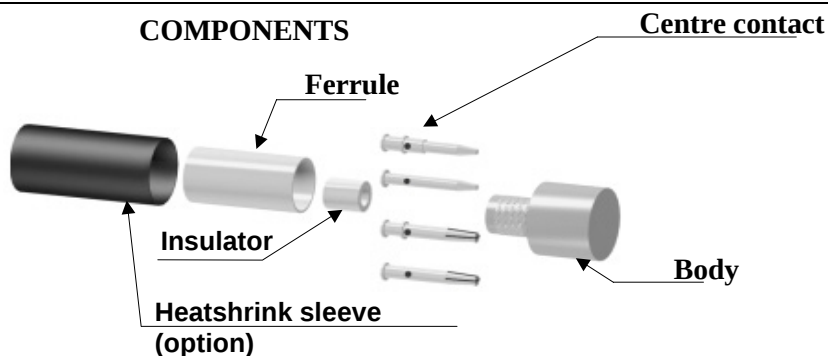
QUARTER WAVE STUB 824-960 MHZ

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

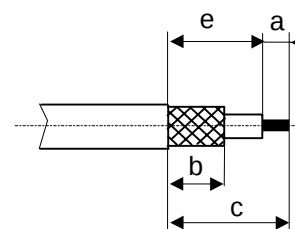
R446.Q01.002

Series : QWS

COMPONENTS

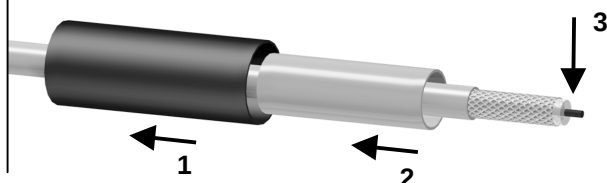


STRIPPING DIMENSIONS



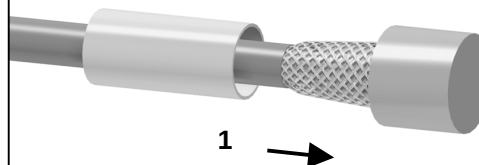
1

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.



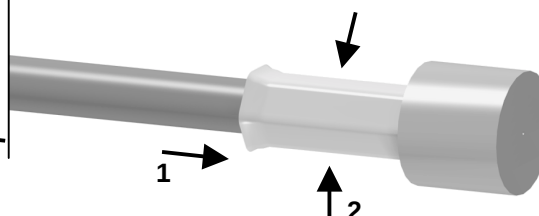
2

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



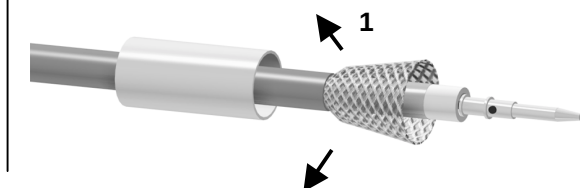
5

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



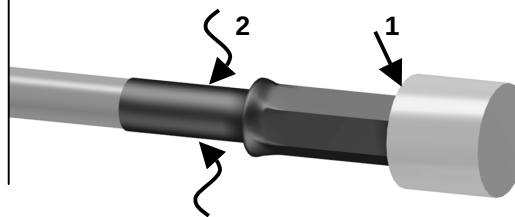
3

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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