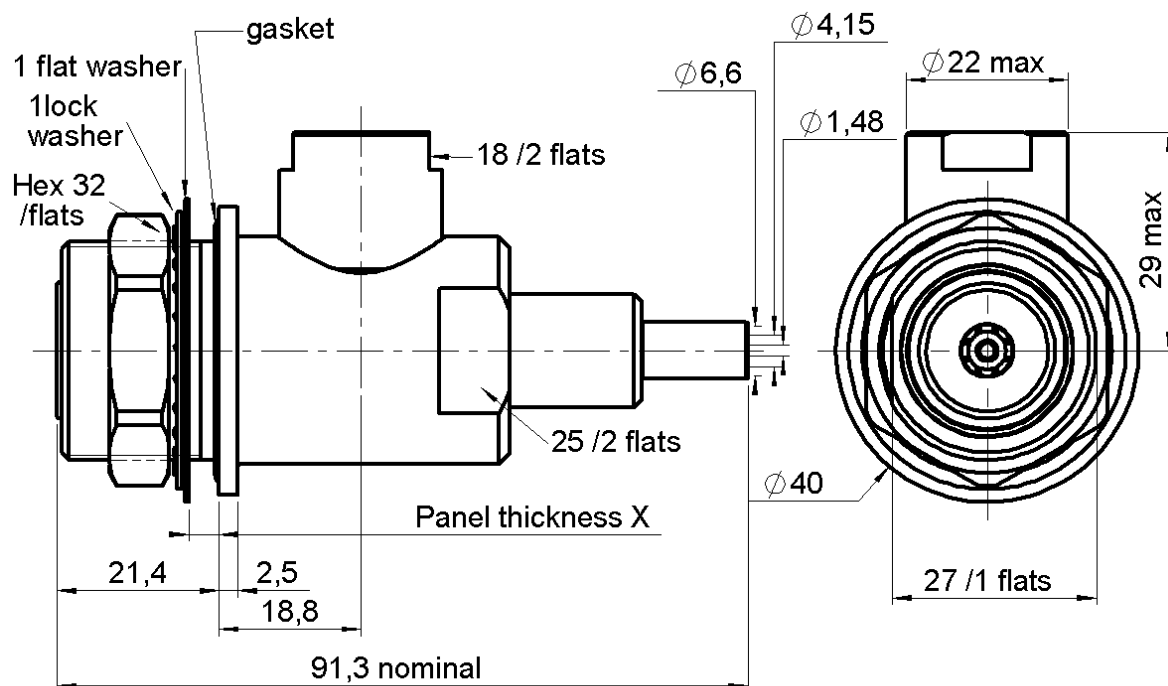


MULTIBAND QUARTER WAVE STUB 824-2200
BULK 7-16 CRIMP TYPE CAB SHF5MD+5MD/1%

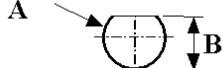
R446.M01.000

Series : MBQWS



X: mini= 1.5
 maxi= 4

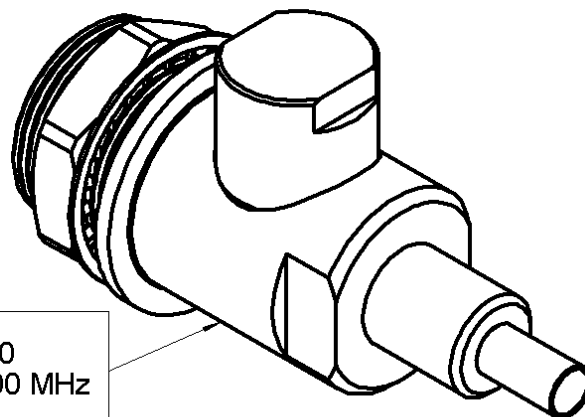
PANEL CUT OUT

A 

	mm	
	Maxi	mini
A	29.4	29.2
B	27.5	27.3

Etiquette
 Label

RADIALL
 R446M01000
 MBQWS 824-2200 MHz
 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 : 0105 A

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MULTIBAND QUARTER WAVE STUB 824-2200**BULK 7-16 CRIMP TYPE CAB SHF5MD+5MD/1%****R446.M01.000**

Series : MBQWS

PACKAGING

Standard	Unit	Other
1	-	Contact us

ELECTRICAL CHARACTERISTICS

Impedance		50 Ω
First frequency band	824 to 960	MHz
VSWR		1.2 x F(GHz) Maxi
Insertion loss		0.2 $\sqrt{F}$ (GHz) dB Maxi
Second frequency band	1700 to 2200	MHz
VSWR		1.2 x F(GHz) Maxi
Insertion loss		0.2 $\sqrt{F}$ (GHz) 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)

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	349.776 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 : 0105 **A**

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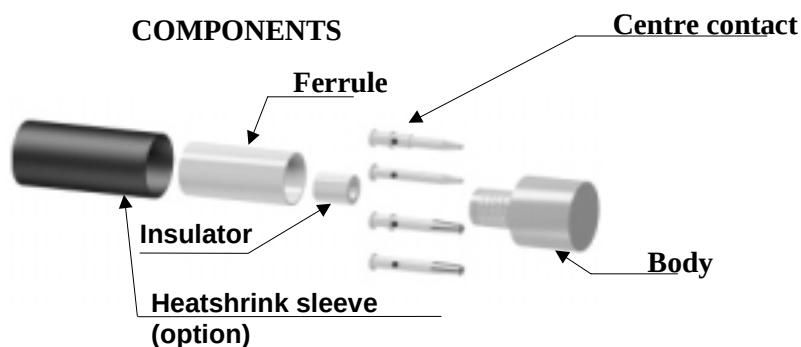


MULTIBAND QUARTER WAVE STUB 824-2200
BULK 7-16 CRIMP TYPE CAB SHF5MD+5MD/1%

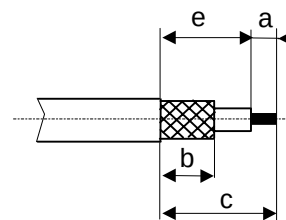
R446.M01.000

Series : MBQWS

COMPONENTS

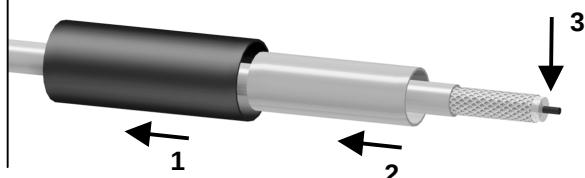


STRIPPING DIMENSIONS



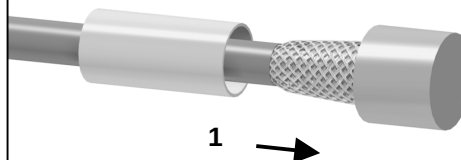
1

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



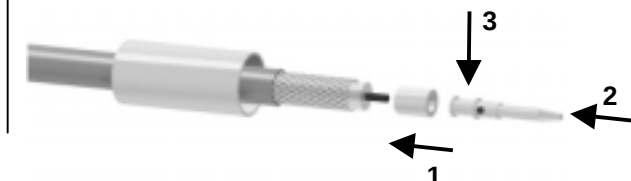
4

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



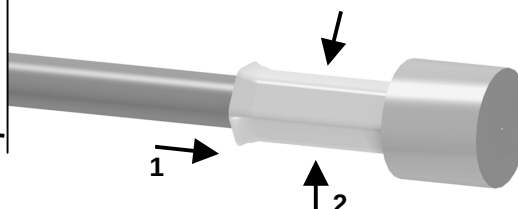
2

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



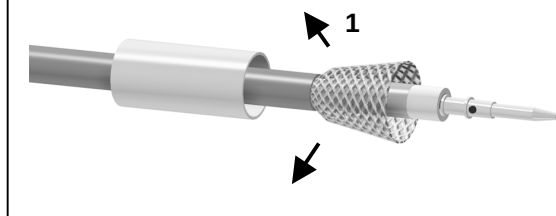
5

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



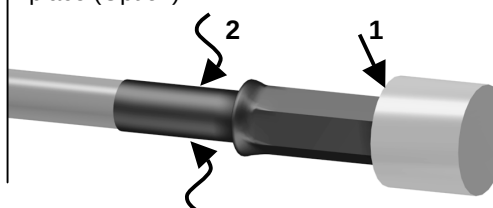
3

Fan the braid.



6

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



Issue : 0105 A

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