

A

B

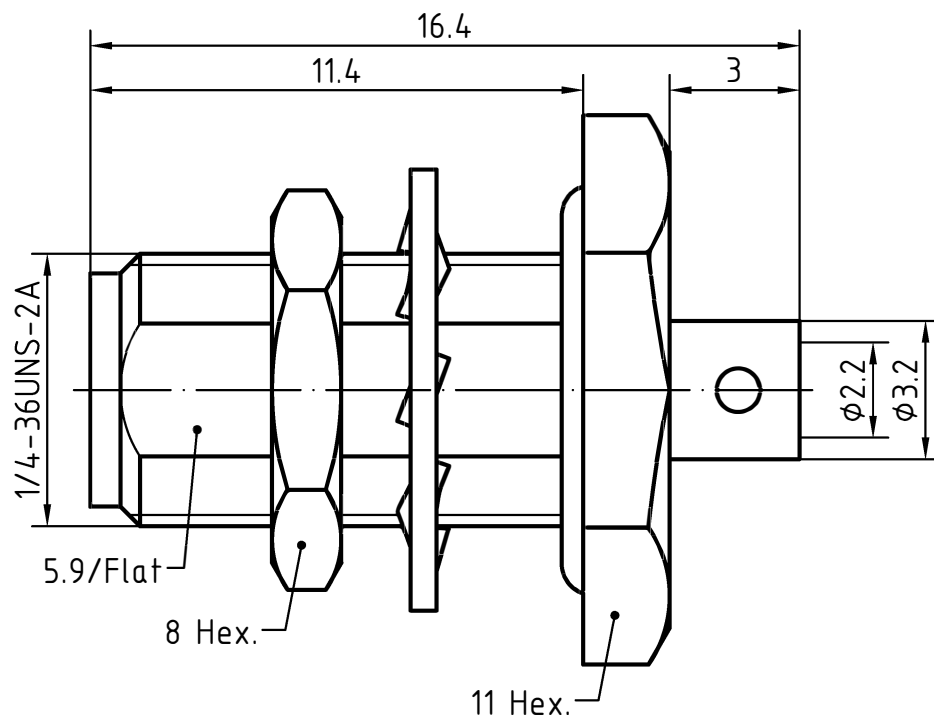
C

D

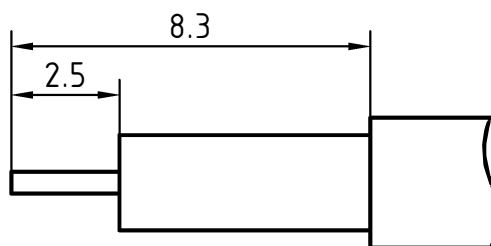
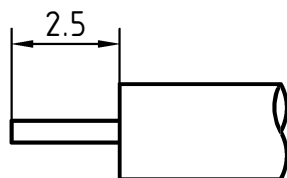
E

F

DRAWING



CABLE(UT086,RG405,670-086)



With jacket



6	1	O-ring	Silicone rubber	
5	1	Nut	Brass/Gold plated	
4	1	Washer	Beryllium copper/Gold plated	
3	1	Body	Brass/Gold plated	
2	1	Insulator	PTFE	
1	1	Center contact	Beryllium copper/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Xio XangChecked by
Jing LoApproved
Jing ChanFile name
SMA_132110(R)FDate
06.08.30Scale
1:1

SMA_132110(R)F

RF CONNECEdition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION:

SMA Type female BH connector with O-ring

Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 18.0 GHz
VSWR:	$\leq 1.05 + 0.03 \times f \text{ [GHz]}$
Insertion loss:	$\leq 0.15 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
Insulation resistance:	$\geq 5000 M\Omega$
Test voltage:	1000 V rms
Working voltage:	480 V rms
Contact resistance:	
1). Centre contact:	3.0 m Ω
2). Outer conductor:	2.0 m Ω
Power handling(at 20 ° C, sea level, VSWR 1.0):	$\leq 200 \text{ W @ 2 GHz;}$
RF-leakage	$\geq 100 \text{ dB up to 1 GHz}$

- Limitations are possible due to the used cable type -

Environmental data:

Temperature rating:	-65 ° C to +165 ° C
2002/95/EC (RoHS):	Compliant

Mechanical data:

Mating cycles:	≥ 500
Coupling nut retention	$\geq 270 \text{ N}$
Coupling test torque:	$\leq 1.1 \text{ Nm}$
Recommended torque:	0.46 Nm to 0.69 Nm

Suitable cables:

UT086,RG405,670-086