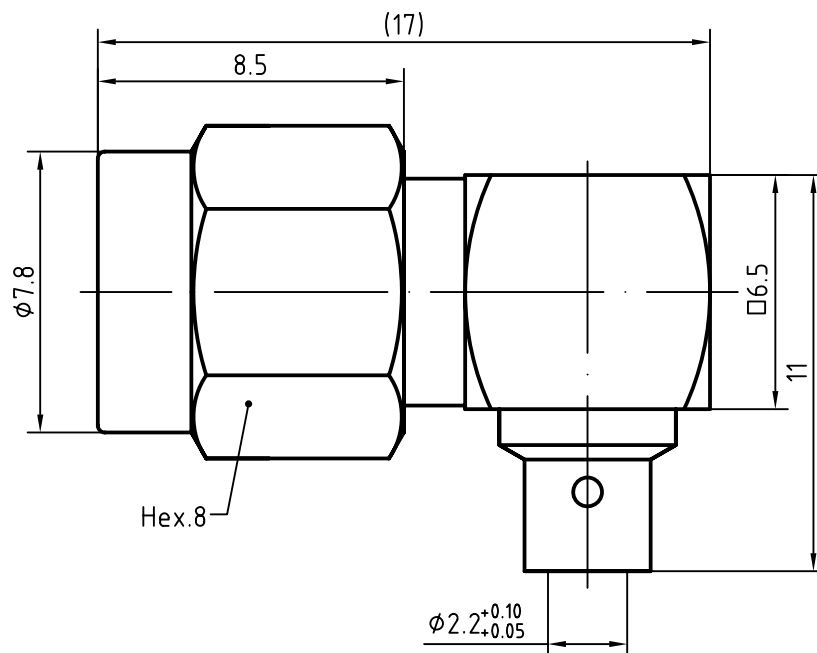
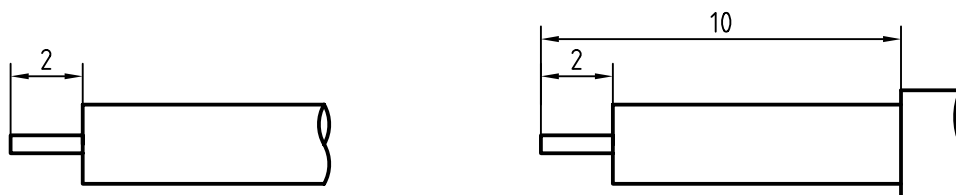


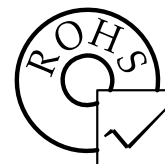
DRAWING



CABLE(UT086,RG405,670-086)



With jacket



5	1	O ring	Silicon rubber	
4	1	Insulator	PTFE	
3	1	Center contact	Brass/gold plated	
2	1	Coupling nut	Brass/Gold plated	
1	1	Body	Brass/Gold plated	
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Xio XangChecked by
Jing LoApproved by - date
Jing ChanFile name
SMA-131200FDate
06.08.21Scale
6:1**RF CONNEC**

SMA-131200F

Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION:

SMA Type male R/A connector

Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 18 GHz
VSWR:	$\leq 1.10 + 0.02 \times f \text{ [GHz]}, \text{ DC to 18 GHz}$
Insertion loss:	$\leq 0.05 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
Insulation resistance:	$\geq 5000 \text{ M}\Omega$
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