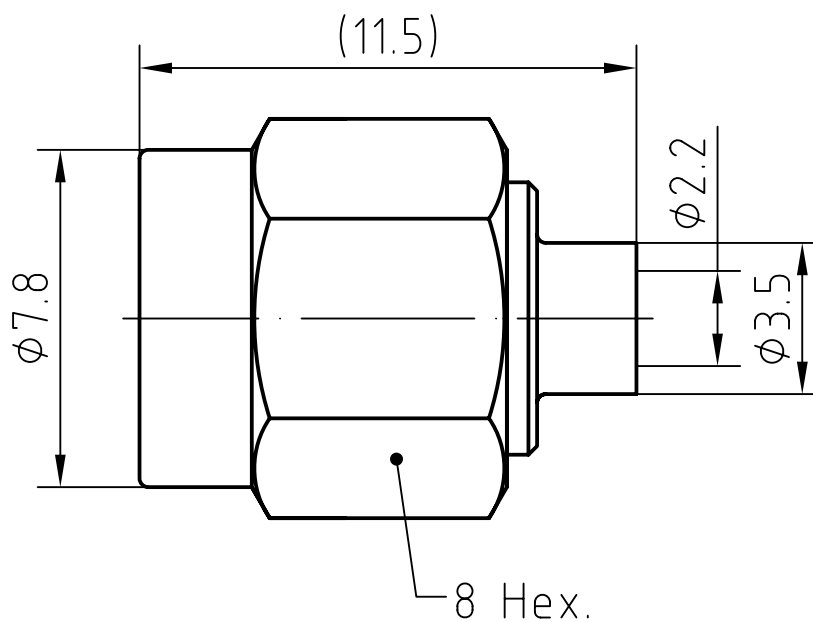
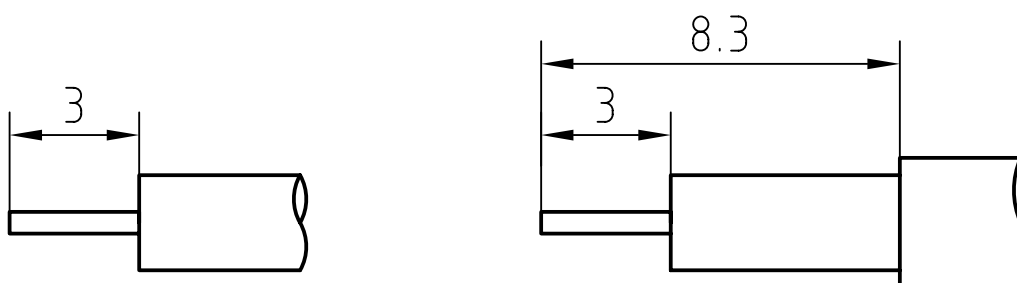


DRAWING



CABLE(UT086,RG405,670-086)



With jacket



6	1	O ring	Silicone rubber	
5	1	Spring	Beryllium copper/Nickel plated	Nickel 5.0um over Copper 2.0um
4	1	Coupling nut	Stainless steel/Passivated	
3	1	Body	Brass/Gold plated	Gold 0.2um over Nickel 2.0um
2	1	Insulator	PTFE	
1	1	Center contact	Brass/Gold plated	Gold 0.5um over Nickel 2.0um
Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference

Designed by
Xio XangChecked by
Jing LoApproved by - date
Jing ChanFile name
SMA-131100FDate
09.03.02Scale
6 : 1**RF CONNEC****SMA-131100F**Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION:	SMA Type male str connector
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Electrical data:

Impedance:	50 ohm
Frequency range:	DC to 18.0 GHz
VSWR:	$\leq 1.04 + 0.02 \times f \text{ [GHz]}$
Insertion loss:	$\leq 0.08 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
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	

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:	$\leq 1.7 \text{ Nm}$
Recommended torque:	0.8 Nm to 1.1 Nm
Suitable cables:	UT086,RG405,670-086