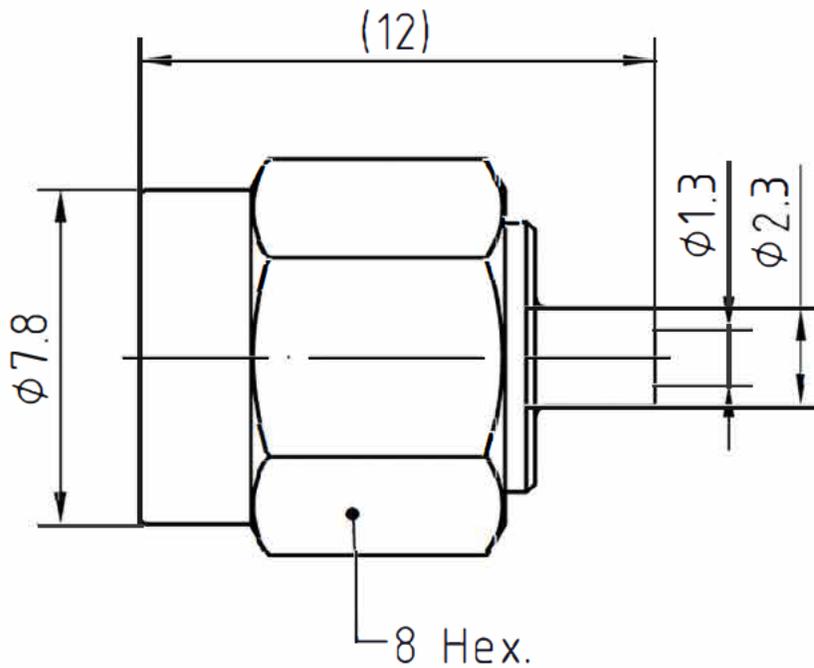
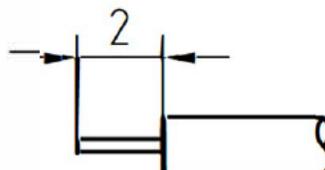


DRAWING



CABLE(UT047,670-047)



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

Designed by Xio Xang	Checked by Jing Lo	Approved by Jing Chan	File name SMA-131100J	Date 09.02.02	Scale 6 : 1
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 <p>excellent way of connect</p>	SMA-131100J	
	Edition 1.0	Sheet 1/1

# CHARACTERISTICS

DESCRIPTION: SMA Type male str connector

## Electrical data:

<i>Impedance:</i>	50 ohm
<i>Frequency range:</i>	DC to 18.0 GHz
<i>VSWR:</i>	$\leq 1.06 + 0.02 \times f \text{ [GHz]}$
<i>Insertion loss:</i>	$\leq 0.15 \times \sqrt{f \text{ [GHz]}} \text{ dB}$
<i>Insulation resistance:</i>	$\geq 5000 \text{ M}\Omega$
<i>Test voltage:</i>	1000 V rms
<i>Working voltage:</i>	480 V rms
<i>Contact resistance:</i>	
1). Centre contact:	3.0 m $\Omega$
2). Outer conductor:	2.0 m $\Omega$
<i>Power handling (at 20 ° C, sea level, VSWR 1.0):</i>	$\leq 200 \text{ W @ 2 GHz;}$
<i>RF-leakage</i>	$\geq 100 \text{ dB up to 1 GHz}$
<i>- Limitations are possible due to the used cable type -</i>	

## Environmental data:

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

## Mechanical data:

<i>Mating cycles:</i>	$\geq 500$
<i>Coupling nut retention</i>	$\geq 270 \text{ N}$
<i>Coupling test torque:</i>	$\leq 1.7 \text{ Nm}$
<i>Recommended torque:</i>	0.46 Nm to 0.69 Nm

## Suitable cables:

UT047,670-047