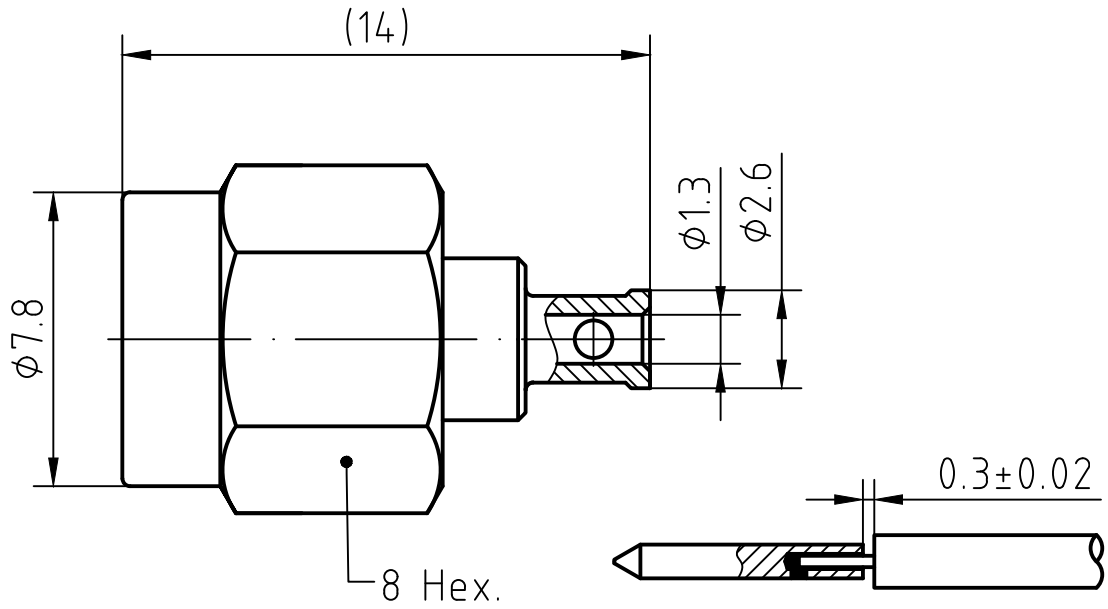
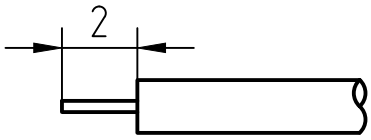
DRAWING



CABLE(.047,670-047)



Itemref	Quantity	Title/Name, designation, material, dimension etc		Article No./Reference
6	1	O ring	Silicone rubber	
5	1	Spring	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	

Designed by	Checked by	Approved by	File name	Date	Scale
Xio Xang	Jing Lo	Jing Chan	SMA-131100J2	26.08.27	5 : 1

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SMA-131100J2

Edition	Sheet
1.0	1/1

CHARACTERISTICS

DESCRIPTION:	SMA Type male str connector

Electrical data:

Impedance:	*50 ohm*
Frequency range:	*DC to 18.0 GHz*
VSWR:	*≤ 1.04 + 0.02 X f [GHz]*
Insertion loss:	*≤ 0.06 X √f[GHz] dB*
Insulation resistance:	*≥5000MΩ*
Test voltage:	*1000 V rms*
Working voltage:	*480 V rms*
Contact resistance:	
1). Centre contact:	*3.0 mΩ*
2). Outer conductor:	*2.0 mΩ*
Power handling (at 20 °C, sea level, VSWR 1.0):	*≤ 200 W @ 2 GHz ≥*
RF-leakage	*100 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	*≥ 270 N*
Coupling test torque:	*≤1.7 Nm*
Recommended torque:	*0.8 Nm to 1.1 Nm*

Suitable cables: *0.47,670-047*

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