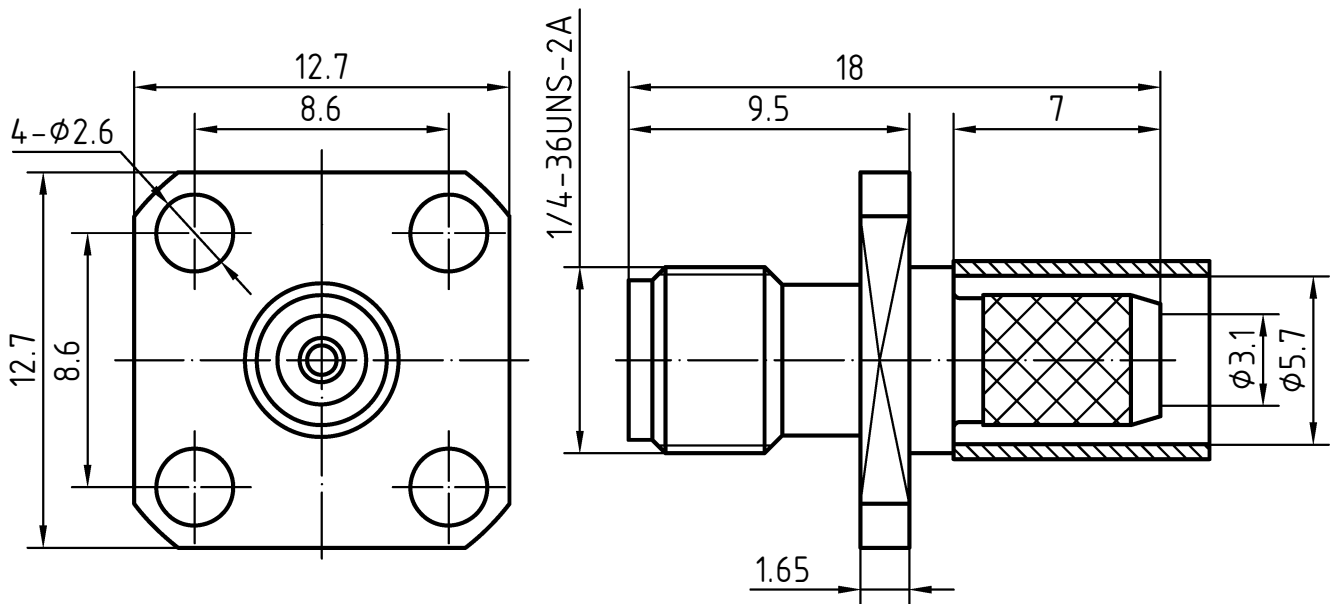
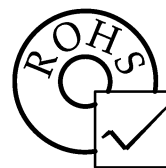
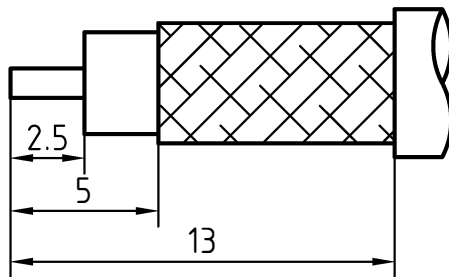


DRAWING



CABLE(RG142B/U, RG223/U, RG400/U)



3	1	Body	Drass/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 Xang	Checked by Jing Lo	Approved by Jing Chan	File name SMA-112140B	Date 10.07.18
			SMA-112140B	
			Edition 1.0	Sheet 1/1

CHARACTERISTICS

DESCRIPTION:

SMA Type female FL connector

Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 12.4 GHz</i>
<i>VSWR:</i>	<i>$\leq 1.10 + 0.04 \times f \text{ [GHz]}$</i>
<i>Insertion loss:</i>	<i>$\leq 0.15 \times \sqrt{f \text{ [GHz]}} \text{ dB}$</i>
<i>Insulation resistance:</i>	<i>$\geq 5000 M\Omega$</i>
<i>Test voltage:</i>	<i>1000 V rms</i>
<i>Working voltage:</i>	<i>480 V rms</i>
<i>Contact resistance:</i>	
1). Centre contact:	<i>3.0 mΩ</i>
2). Outer conductor:	<i>2.5 mΩ</i>
<i>Power handling (at 20 ° C, sea level, VSWR 1.0):</i>	<i>$\leq 200 \text{ W @ 2 GHz}$</i>
<i>RF-leakage:</i>	<i>$\geq 100 \text{ dB up to 1 GHz}$</i>

Environmental data:

<i>Temperature rating:</i>	<i>-55 ° C to +165 ° C</i>
<i>2002/95/EC (RoHS):</i>	<i>Compliant</i>

Mechanical data:

<i>Mating cycles:</i>	<i>≥ 500</i>
<i>Coupling nut retention:</i>	<i>$\geq 270 \text{ N}$</i>
<i>Center contact captivation:</i>	<i>$\geq 27 \text{ N(axial)}$</i>
<i>Coupling test torque:</i>	<i>$\leq 1.1 \text{ Nm}$</i>
<i>Recommended torque:</i>	<i>0.46 Nm to 0.69 Nm</i>

Suitable cables:

RG142B/U, RG223/U, RG400/U