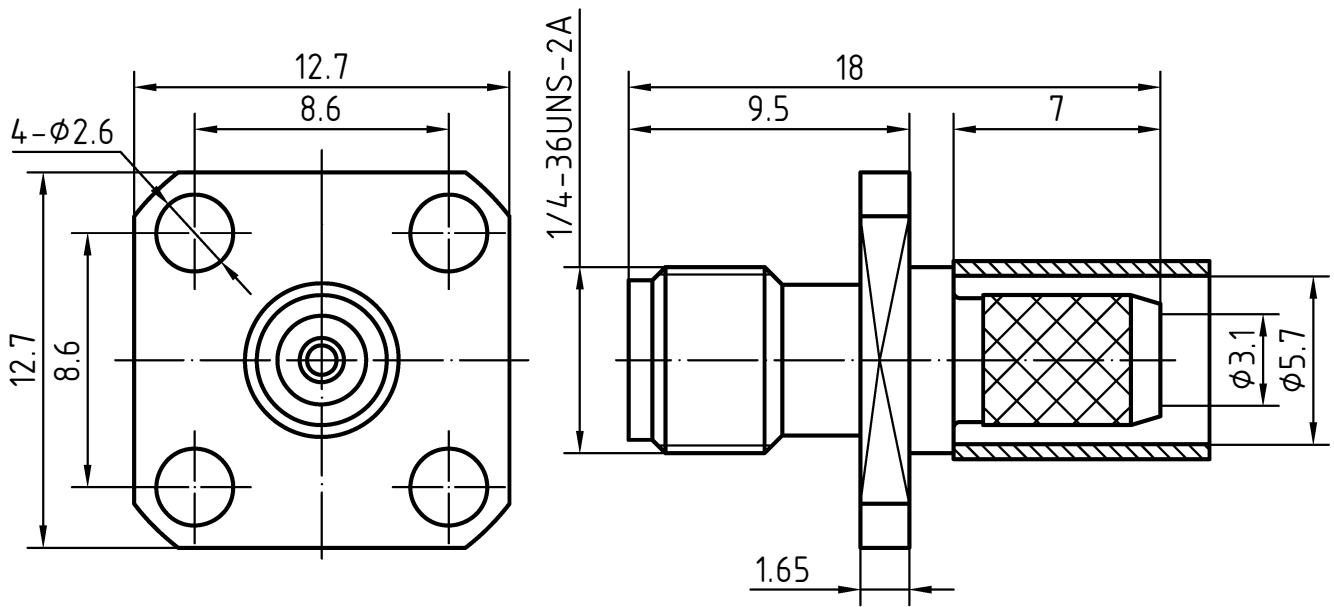
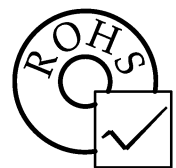
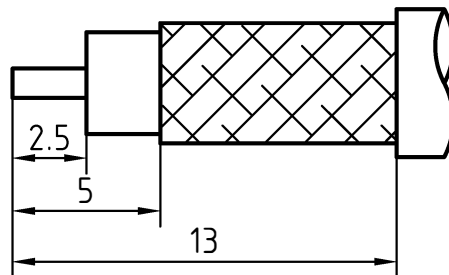


DRAWING



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
				Scale 6 : 1

SMA-112140B

Edition 1.0	Sheet 1/1
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CHARACTERISTICS

DESCRIPTION:

SMA Type female FL connector

Electrical data:

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

Environmental data:

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

Mechanical data:

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

Suitable cables:

RG142B/U, RG223/U, RG400/U