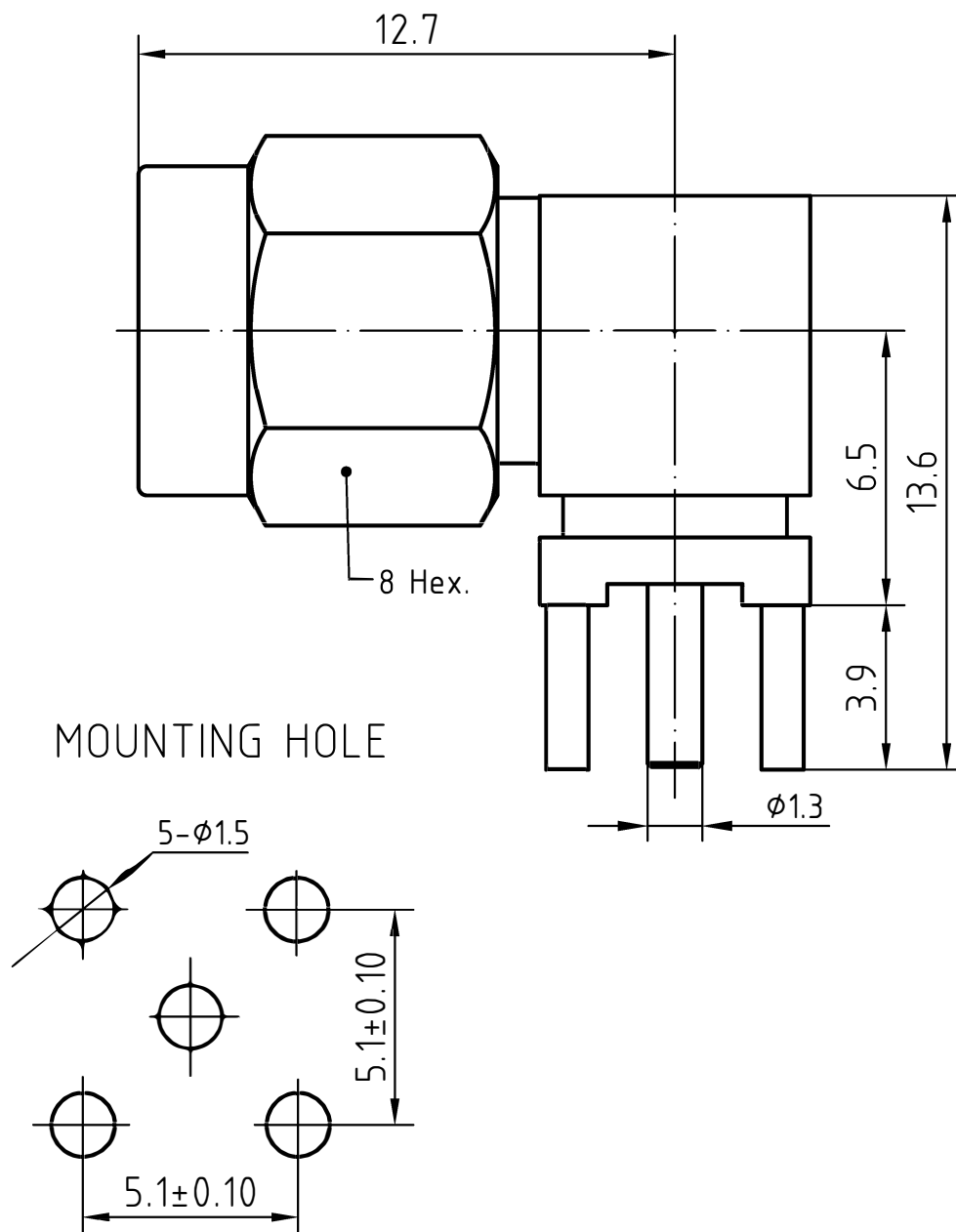




6	1	O ring	Silicone rubber	
5	1	Spring	Beryllium copper/Nickel plated	
	1	Coupling nut	Brass/Gold plated	
3	1	Body	Brass/Gold plated	
2	1	Insulator	PTFE	
1	1	Center contact	Brass/Gold plated	

Itemref	Quantity	Title/Name, designation, material, dimension etc	Article No./Reference
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Designed by Xio Xang	Checked by Jing Lo	Approved by Jing Chan	File name SMA-331200	Date 22.04.18	Scale 6 : 1
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RF CONNEC			SMA-331200		
				Edition 1.0	Sheet 1/1

CHARACTERISTICS

DESCRIPTION:

SMA Type male R/A connector for PCB solder legs

Electrical data:

Impedance: 50 ohm

Frequency range: DC to 18.0 GHz

VSWR: $\leq 1.06 + 0.02 \times f \text{ [GHz]}$

Insertion loss: $\leq 0.15 \times \sqrt{f \text{ [GHz]}} \text{ dB}$

Insulation resistance: $\geq 5000 \text{ M}\Omega$

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) $\leq 200 \text{ W @ 2 GHz}; \leq 100 \text{ W @ 10 GHz}$

RF-leakage $\geq 100 \text{ dB up to 1 GHz}$

- VSWR in application depends decisive on PCB layout -

Environmental data:

Temperature rating: -65 ° C to +165 ° C

2002/95/EC (RoHS): Compliant

Mechanical data:

Mating cycles: ≥ 500

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:

N/A