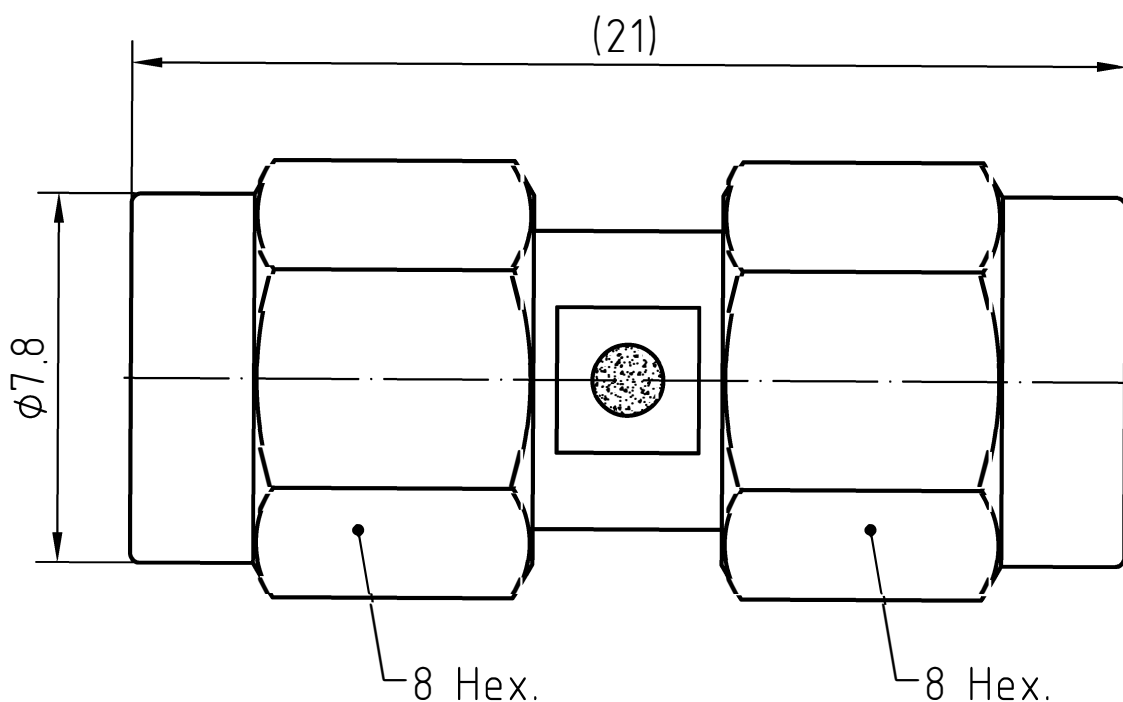




5	2	O-ring	Silicone rubber	
4	2	Coupling nut	Brass/Gold plated	
3	1	Body	Brass/Gold plated	
2	1	Insulator	PTFE	
1	1	Center contact	Brass/Gold plated	

Designed by
Xio Xan

Checked by
Jing Lo

Approved by
Jing Chan

File name
SMA_SMA-1110

Date
08.04.16

Scale
1 : 1

RF CONNEC

SMA_SMA-1110

Edition
1.0

Sheet
1/1

CHARACTERISTICS

DESCRIPTION:

ADAPTOR SMA PLUG TO SMA PLUG

Electrical data:

<i>Impedance:</i>	<i>50 ohm</i>
<i>Frequency range:</i>	<i>DC to 18.0 GHz</i>
<i>VSWR:</i>	<i>$\leq 1.03 + 0.02 \times f[\text{GHz}]$</i>
<i>Insertion loss:</i>	<i>$\leq 0.10 \times \sqrt{f[\text{GHz}]} \text{ dB}$</i>
<i>Insulation resistance:</i>	<i>$\geq 5000 \text{ M}\Omega$</i>
<i>Test voltage:</i>	<i>1000 V rms</i>
<i>Working voltage:</i>	<i>480 V rms</i>
<i>Contact resistance:</i>	
1). <i>Centre contact:</i>	<i>3.0 mΩ</i>
2). <i>Outer conductor:</i>	<i>2.0 mΩ</i>

Environmental data:

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

Mechanical data:

<i>Mating cycles:</i>	<i>≥ 500</i>
<i>Center contact captivation:</i>	<i>$\geq 15 \text{ N(axial)}$</i>
<i>Recommended torque:</i>	<i>0.46 Nm to 0.69 Nm</i>

Suitable cables:

N/A