



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
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SMA\_SMA-1110

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# CHARACTERISTICS

DESCRIPTION:

ADAPTOR SMA PLUG TO SMA PLUG

## Electrical data:

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

## Environmental data:

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

## Mechanical data:

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

## Suitable cables:

N/A