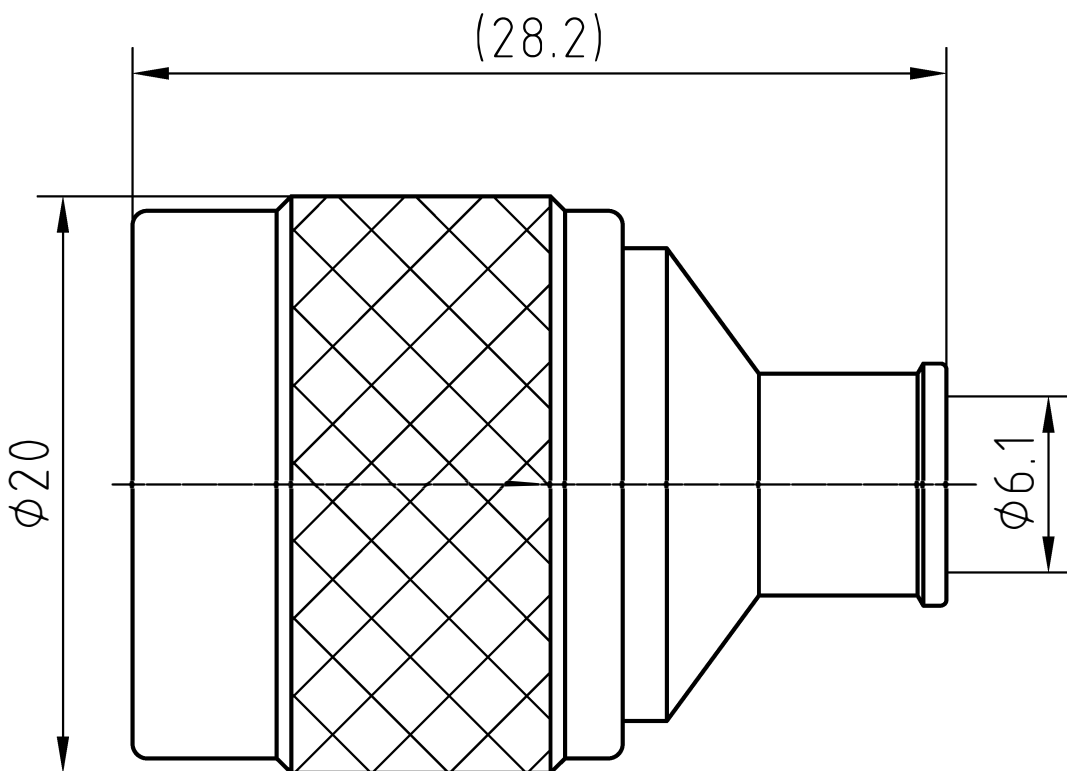


DRAWING



5	1	Coupling nut	Brass/Nickel plated
4	1	O ring	Silicone rubber
3	1	Body	Brass/SUCOplated
2	1	Insulator	PTFE
1	1	Center contact	Brass/Silver plated

Designed by Xio Xang	Checked by Jing Lo	Approved by - date Jing Chan	File name N-131100T	Date 06.11.12	Scale 1:1
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	N-131100T	
	Edition 1.0	Sheet 1/1

# CHARACTERISTICS

DESCRIPTION: N Type male connector for .250

## Electrical data:

<i>Impedance:</i>	50 ohm
<i>Frequency range:</i>	DC to 11 GHz
<i>Return loss:</i>	≥25 dB, DC to 2 GHz ≥20 dB, 2 to 5 GHz ≥17.2 dB, 5 to 11 GHz
<i>Insertion loss:</i>	≤0.08 X $\sqrt{f[\text{GHz}]}$ dB
<i>Insulation resistance:</i>	≥5000MΩ
<i>Test voltage:</i>	2500 V rms
<i>Working voltage:</i>	1400 V rms
<i>Contact resistance:</i>	
1). Centre contact:	1.00 mΩ
2). Outer conductor:	0.25 mΩ
<i>Power handling (at 20 ° C, sea level, VSWR 1.0)</i>	1000 W @ 1 GHz 700 W @ 2 GHz

## Environmental data:

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

## Mechanical data:

<i>Mating cycles:</i>	≥500
<i>Coupling nut retention:</i>	≥ 450 N
<i>Coupling test torque:</i>	≤1.7 Nm
<i>Recommended torque:</i>	0.7 Nm to 1.1 Nm

## Suitable cables:

.250/670-250/SM250