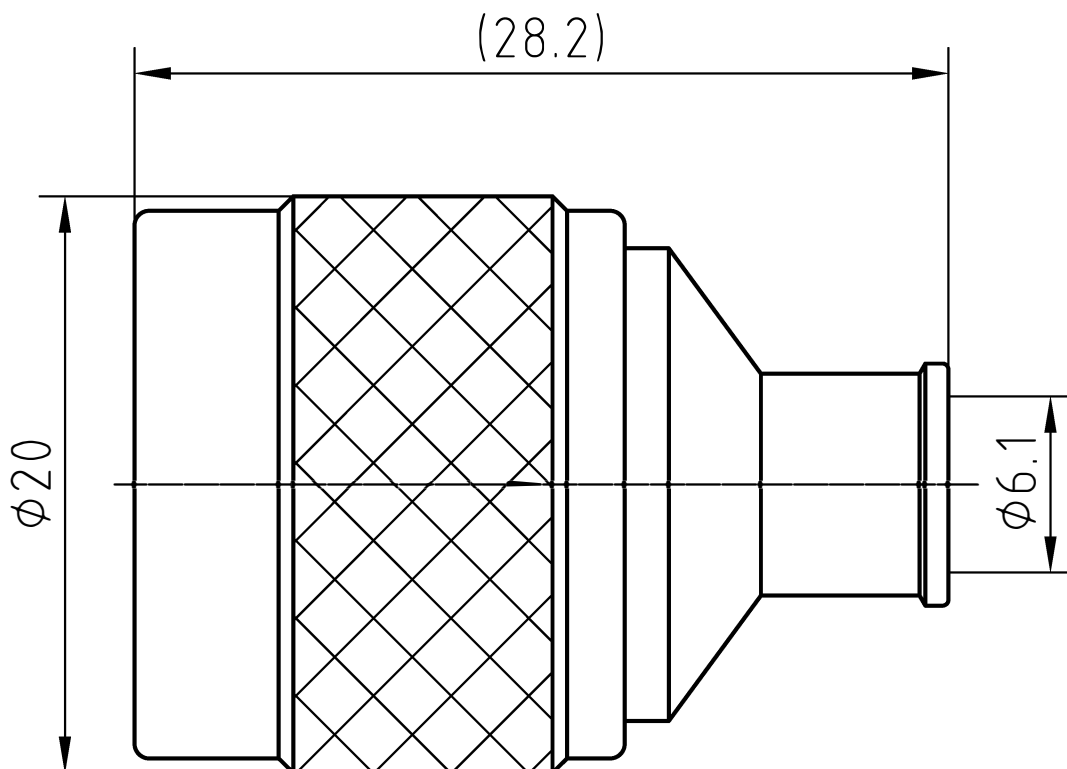


DRAWING



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 XangChecked by
Jing LoApproved by - date
Jing ChanFile name
N-131100TDate
06.11.12Scale
1:1**RF CONNEC****N-131100T**Edition
1.0Sheet
1/1

CHARACTERISTICS

DESCRIPTION: N Type male connector for .250

Electrical data:

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

Environmental data:

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

Mechanical data:

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

Suitable cables:

.250/670-250/SM250