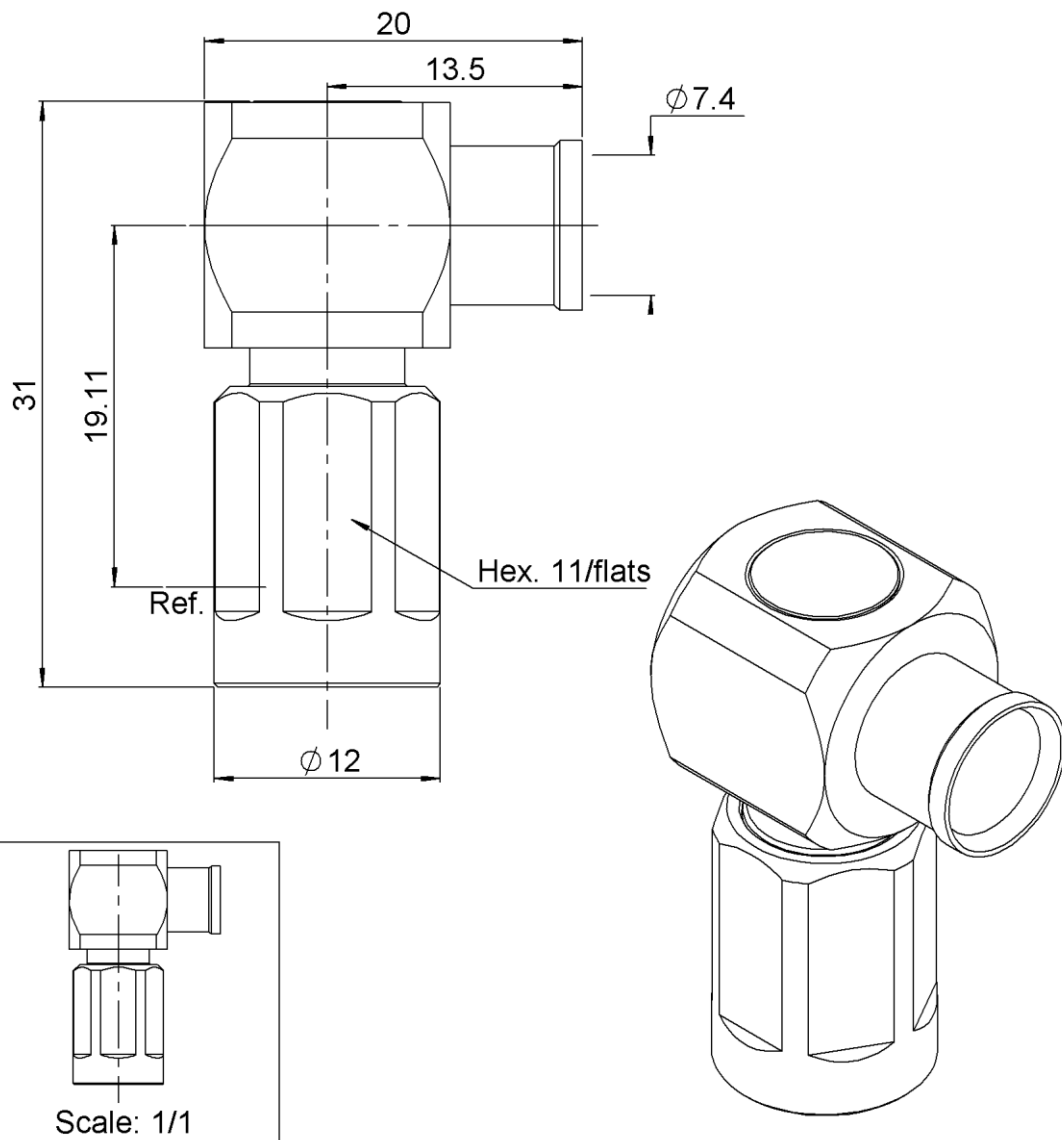
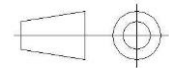


PAGE 1/3	ISSUE 08-02-18A	SERIES NEX10	PART NUMBER R180160007
----------	-----------------	--------------	------------------------



All dimensions are in mm. Tolerances according ISO 2768 m-H



COMPONENTS	MATERIALS	PLATING (µm)
Body	BRASS.	BBR
Center contact	BRASS.	SILVER
Outer contact	BERYLLIUM COPPER	SILVER
Insulator	PTFE	
Gasket	SILICONE RUBBER	
Others parts	BRASS,BRONZE	BBR
-	-	-
-	-	-

PAGE 2/3	ISSUE 08-02-18A	SERIES NEX10	PART NUMBER R180160007
-----------------	------------------------	---------------------	-------------------------------

PACKAGING

Standard	Unit	Other
50	Contact us	Contact us

ELECTRICAL CHARACTERISTICS

Impedance	50	Ω
Frequency	0-10	GHz
VSWR	1.02 + 0.0500	x F(GHz) Maxi
Insertion loss	0.05	\sqrt{F} (GHz) dB Maxi
RF leakage	- (NA)	- F(GHz)) dB Maxi
Voltage rating	500	Veff Maxi
Dielectric withstanding voltage	1500	Veff mini
Insulation resistance	5000	M Ω mini

MECHANICAL CHARACTERISTICS

Center contact retention		
Axial force – Mating End	NA	N mini
Axial force – Opposite end	NA	N mini
Torque	NA	N.cm mini
Recommended torque		
Mating	150	N.cm
Panel nut	NA	N.cm
Clamp nut	NA	N.cm
A/F clamp nut	0.0000	mm
Mating life	100	Cycles mini
Weight	23.1600	g

ENVIRONMENTAL

Operating temperature	-55/+125	$^{\circ}\text{C}$
Hermetic seal	NA	Atm.cm3/s
Panel leakage	NA	

SPECIFICATION

CABLE ASSEMBLY

Stripping	a	b	c	d	e	f
mm	3	10	18.1	0	0	0

Assembly instruction: **see page3**

Recommended cable(s)
HCF 1/4" Cu2Y AICu
1/4" S

Characteristics indicated on this data sheet are those that can be achieved with the highest performance cable. Intrinsic limitations of the cable may diminish the performance of the assembly

Cable retention

- pull off	250	N mini
- torque	NA	N.cm

TOOLING

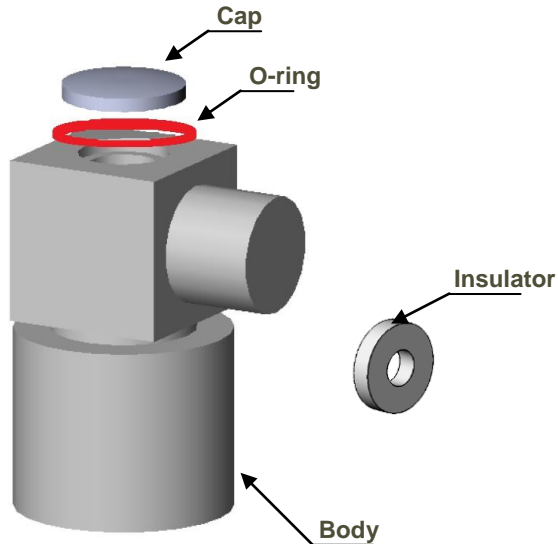
Part Number	Description	Hexagon
.	.	.

OTHER CHARACTERISTICS

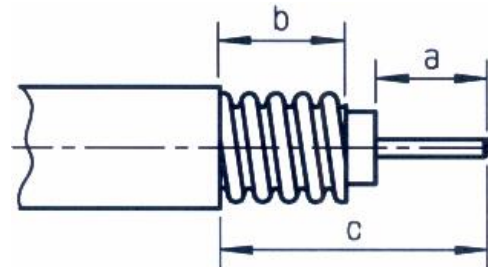
IP68(1m,24h) mated condition
Return loss for interface:
0 to 3GHz: >=36dB
6 to 10GHz: >=30dB
10 to 20GHz: >=20dB
PIM3<=-123 dBm, 2 carriers of +43dBm

PAGE 3/3	ISSUE 08-02-18A	SERIES NEX10	PART NUMBER R180160007
----------	-----------------	--------------	------------------------

COMPONENTS

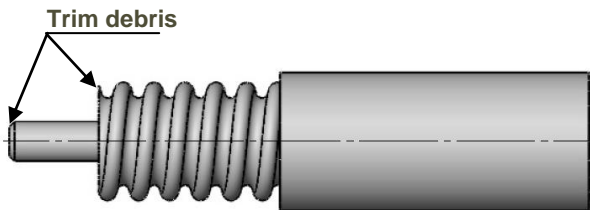


STRIPPING DIMENSIONS



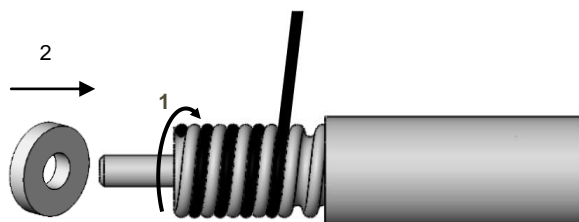
1

- Strip the cable.
- Do not damage the outer conductor.
- The end surface of inner conductor should be chamfered.
- Remove impurities such as copper scraps and burrs on the end surface of the cable.



2

- Wrap the cable by solder wire.
- Put insulator on the cable center conductor.



3

- Push the cable into the connector body, until it stops.
- Use the reserved solder wire to wrap the cable to fill the space between cable and connector.
- Solder the connector body with cable.
- Solder the inner conductor.
- Put the o-ring into body.
- Press the cap into body.

