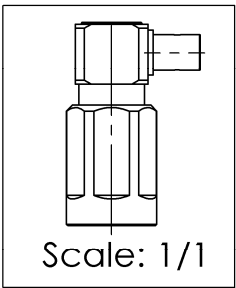
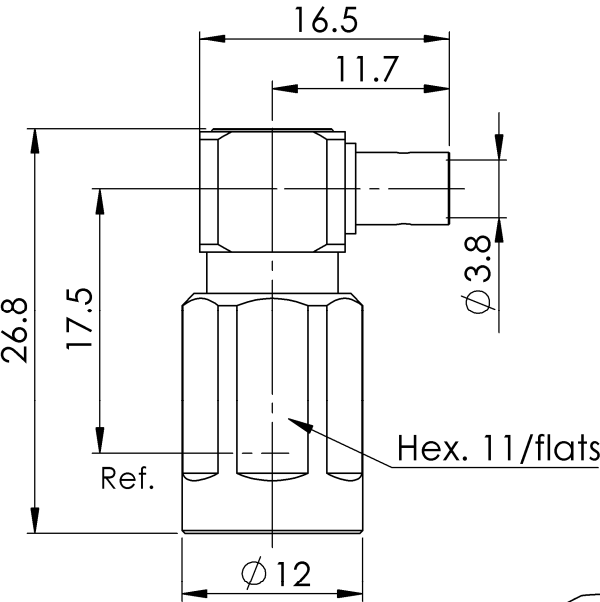
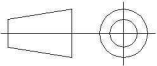


|                 |                        |                     |                               |
|-----------------|------------------------|---------------------|-------------------------------|
| PAGE <b>1/3</b> | ISSUE <b>09-10-17A</b> | SERIES <b>NEX10</b> | PART NUMBER <b>R180153007</b> |
|-----------------|------------------------|---------------------|-------------------------------|



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



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

PAGE 2/3

ISSUE 09-10-17A

SERIES NEX10

PART NUMBER R180153007

## PACKAGING

| Standard | Unit       | Other      |
|----------|------------|------------|
| 50       | Contact us | Contact us |

## ELECTRICAL CHARACTERISTICS

|                                 |               |                   |
|---------------------------------|---------------|-------------------|
| Impedance                       | 50            | Ω                 |
| Frequency                       | 0-20          | GHz               |
| VSWR                            | TBD* + 0.0000 | x F(GHz) Maxi     |
| Insertion loss                  | 0.05          | √F(GHz) dB Maxi   |
| RF leakage                      | - (NA         | - F(GHz)) dB Maxi |
| Voltage rating                  | 335           | Veff Maxi         |
| Dielectric withstanding voltage | 1000          | Veff mini         |
| Insulation resistance           | 5000          | MΩ 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                     | 300     | 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                     | 13.9400 | g           |

## ENVIRONMENTAL

|                       |          |           |
|-----------------------|----------|-----------|
| Operating temperature | -55/+125 | °C        |
| Hermetic seal         | NA       | Atm.cm3/s |
| Panel leakage         | NA       |           |

## SPECIFICATION

## CABLE ASSEMBLY

| Stripping | a   | b | c | d | e   | f |
|-----------|-----|---|---|---|-----|---|
| mm        | 1.8 | 0 | 0 | 0 | 5.3 | 0 |

Assembly instruction:

Recommended cable(s)

## RG 402

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 | 200 | N mini |
| - torque   | NA  | N.cm   |

## TOOLING

| Part Number | Description | Hexagon |
|-------------|-------------|---------|
| .           | .           | .       |

## OTHER CHARACTERISTICS

IP67 mated condition  
\*up to 6 GHz

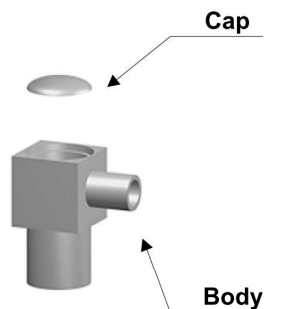
PAGE 3/3

ISSUE 09-10-17A

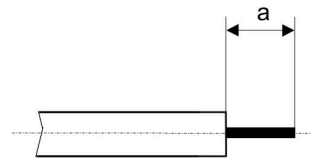
SERIES NEX10

PART NUMBER R180153007

## COMPONENTS



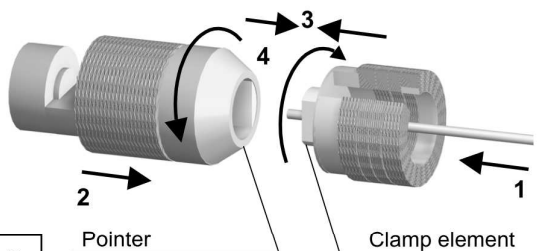
## STRIPPING DIMENSIONS



We recommend a cable thermal preconditioning before assembly

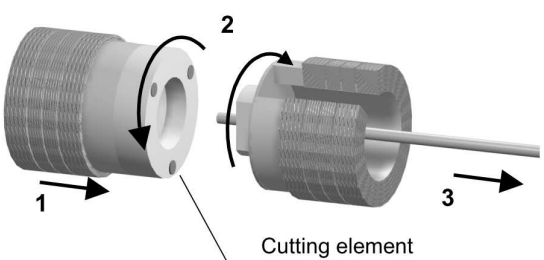
1

Insert the cable into the clamping element.  
Present the pointer in front of the clamping element.  
Push the cable until it stops, while holding the clamping element pushed on the hollow part of the pointer.  
Turn the clamping part until the release of the pointer.



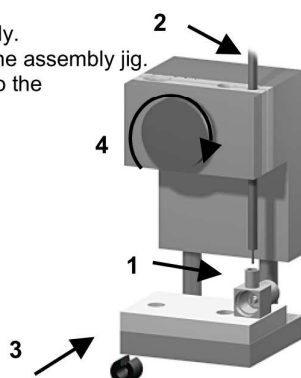
2

Present the cutting element in front of the cutting element.  
Push and turn both elements, back part opposite to the front part.  
Once they reach the stop, pull without revolving.



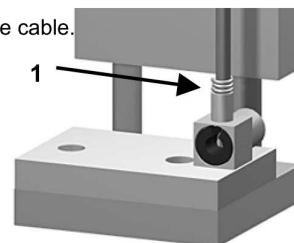
3

Insert the cable into the body.  
Secure the positioner into the assembly jig.  
Place the sub-assembly into the assembly jig.  
Tighten.



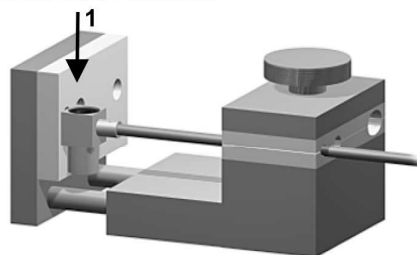
4

Put three rings of solder around the cable.  
Solder the body onto the cable.



5

After cooling, remove the assembly from the jig.  
Remove the positioner.  
Solder the inner conductor.



6

Place the cap into the body.  
Press on the cap flush or slightly below the surface of the body assembly.

