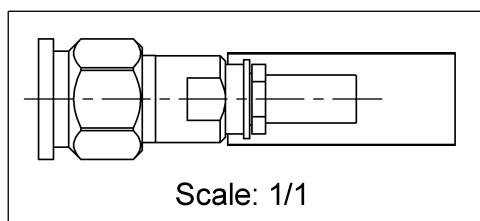
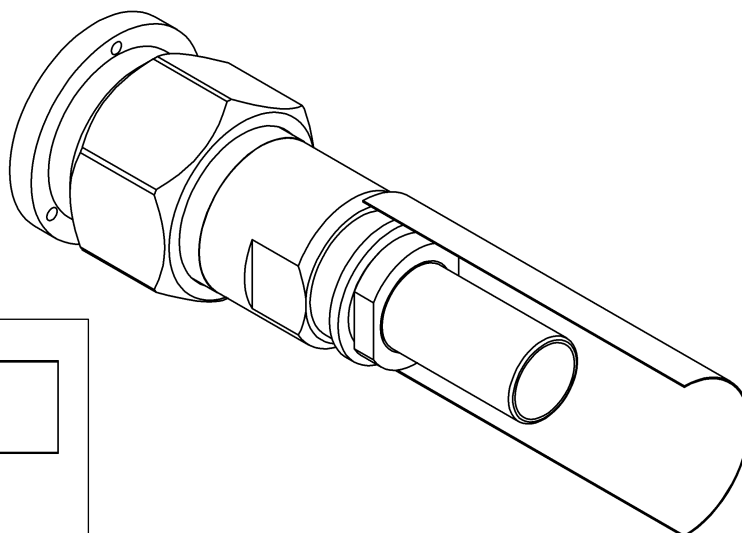
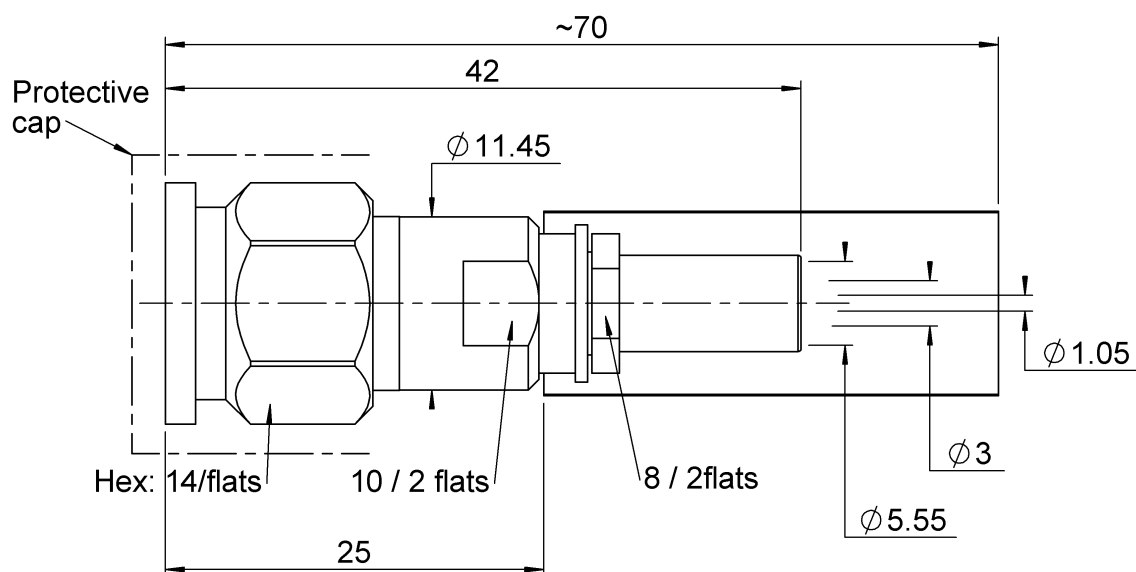


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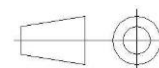
ISSUE 21-12-15E

SERIES TNC

PART NUMBER R143097700



All dimensions are in mm.



| COMPONENTS | MATERIALS | PLATING (μm) |
|----------------|------------------|---------------------------|
| Body | STAINLESS STEEL. | PASSIVATED. |
| Center contact | BRASS | GOLD 0.5 OVER NICKEL 2 |
| Outer contact | - | - |
| Insulator | PTFE | - |
| Gasket | SILICONE RUBBER | PASSIVATED. |
| Others parts | STAINLESS STEEL. | - |
| - | - | - |
| - | - | - |

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ISSUE **21-12-15E**

SERIES **TNC**

PART NUMBER **R143097700**

PACKAGING

| Standard | Unit | Other |
|----------|-------------------|-------------------|
| 1 | Contact us | Contact us |

ELECTRICAL CHARACTERISTICS

| | | |
|---------------------------------|---------------------|--------------------------|
| Impedance | 50 | Ω |
| Frequency | 0-6 | GHz |
| VSWR | 1.2 + 0,0000 | x F(GHz) Maxi |
| Insertion loss | 0.06 | \sqrt{F} (GHz) dB Maxi |
| RF leakage | - (57* | - 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 | 27 | N mini |
| Axial force – Opposite end | 27 | N mini |
| Torque | NA | N.cm mini |
| Recommended torque | | |
| Mating | 265 | N.cm |
| Panel nut | NA | N.cm |
| Clamp nut | 370 | N.cm |
| A/F clamp nut | 8,0000 | mm |
| Mating life | 500 | Cycles mini |
| Weight | 20,6400 | g |

ENVIRONMENTAL

| | | |
|-----------------------|-----------------|-----------|
| Operating temperature | -65/+165 | °C |
| Hermetic seal | NA | Atm.cm3/s |
| Panel leakage | NA | |

SPECIFICATION

QAE 06-02 . .
ASNE0461-F01

CABLE ASSEMBLY

| Stripping | a | b | c | d | e | f |
|-----------|----------|----------|-----------|----------|----------|----------|
| mm | 9 | 9 | 23 | 0 | 0 | 0 |

Assembly instruction:

Recommended cable(s)

RG 142 BU
RG 400
KX 23
RG 142 FTX
RG 223

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 | 180 | N mini |
| - torque | NA | N.cm |

TOOLING

| Part Number | Description | Hexagon |
|-------------|--|--------------|
| R282223000 | CRIMPING TOOL | 5.41 |
| 2822291 | CRIMPING TOOL M22520/1-01 | 2x4 (loc 7) |
| 282997 | POSITIONER FOR TOOL 282.291(M22520/1-13) | red position |
| R282293000 | CRIMPING TOOL M22520/5-01 | |
| R282246000 | CRIMPING DIES M22520/5-05 | 5.41 |

OTHER CHARACTERISTICS

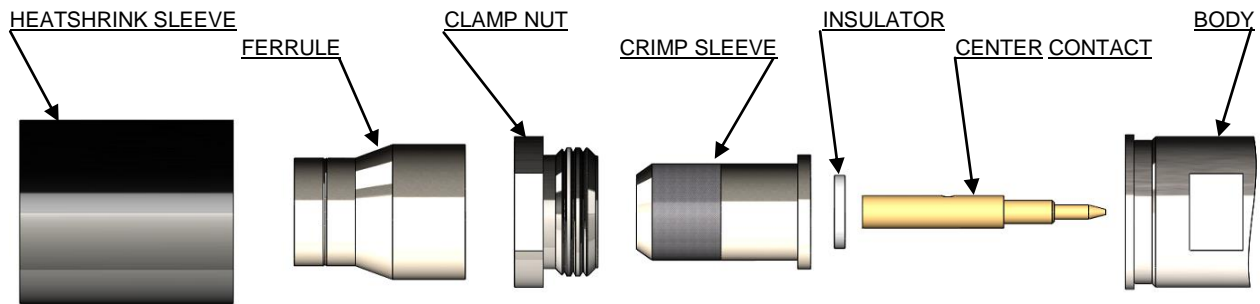
*** Up to 3 GHz**

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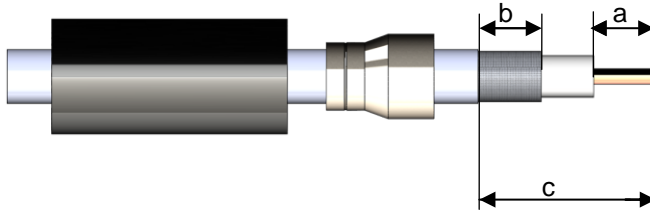
SERIES TNC

PART NUMBER R143097700



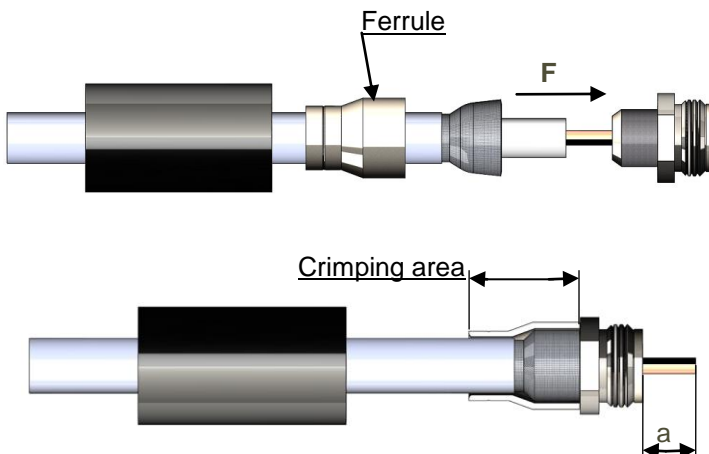
1

Slide onto the cable the heatshrink sleeve and the ferrule.
Strip the cable and cut the foil under the braid according to the type of cable.
Optionally, to facilitate the stripping of the inner cable, the length "a" could be stripped after crimping of the ferrule.



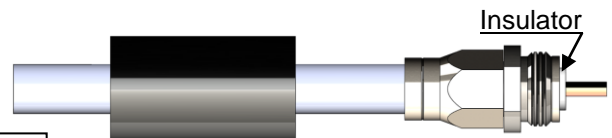
2

Slide the clamp nut onto the crimp sleeve.
Slide sub-assembly under the braid.
Slide ferrule over the braid against clamp nut. (In direction F)
Crimp the ferrule with crimping tool + dies



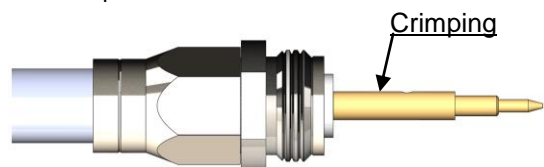
3

The dielectric must be in the same plane as the face of the crimp sleeve. Cut the dielectric flush to crimp sleeve if it exceeds. Clean the dielectric side.
Mount insulator against crimp sleeve.



4

Slide the center contact onto the cable inner conductor against insulator.
Crimp the center contact with the crimping tool and the positioner.



5

Screw sub-assembly into the connector body. (recommended coupling see the connector TDS)
Slide sleeve heatshrink over ferrule and put in the place as below

