

1. MATERIALS AND FINISHES:
BODY, REAR BODY, COUPLING NUT, CAP
& INNER FERRULE - BRASS, NICKEL PLATING
CONTACT - BeCu, GOLD PLATING
INSULATOR - PTFE, NATURAL
RETAINING RING - PHOSPHOR BRONZE, NICKEL PLATING
GASKET - SILICONE RUBBER, RED

2. ELECTRICAL:

- A. IMPEDANCE: 50 OHM
- B. FREQUENCY RANGE: DC - 7.1 GHz
- C. VSWR: 1.30 MAX. @ DC - 3 GHz
1.40 MAX. @ 3 - 6 GHz
- D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS. MIN.

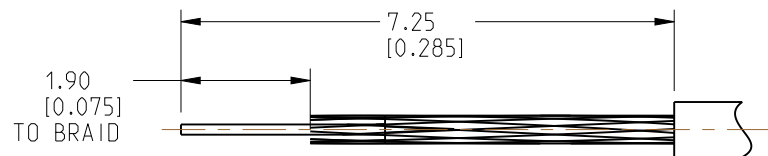
3. MECHANICAL:
A. DURABILITY: 500 CYCLES MIN.
B. TEMPERATURE RANGE: -65°C TO +165°C

4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: PACKAGING TO BE MARKED
"AMPHENOL RF, 31-6981 AND DATE CODE"
C. CAP AND INNER FERRULE ARE PACKAGED LOOSE.

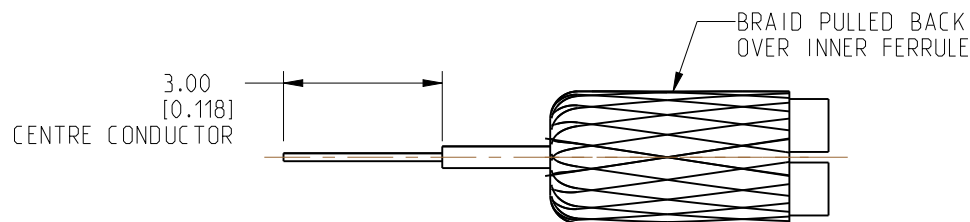
5. CABLE ASSEMBLY INSTRUCTIONS:

- A. TRIM CABLE AS SHOWN (TWO STAGE TRIM).
- B. INSERT CABLE THROUGH INNER FERRULE AND PEEL BRAID BACK, OVER INNER FERRULE
- C. INSERT CABLE INTO THE CONNECTOR.
- D. SOLDER CONTACT TO CABLE CENTER CONDUCTOR.
- E. CRIMP BODY OVER INNER FERRULE USING 0.105" HEX.
- F. PRESS CAP FLUSH.

INTERFACE PER
RP TNC PLUG

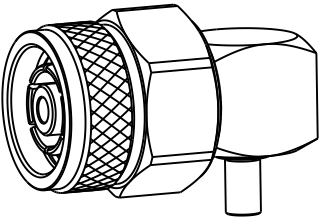


RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)

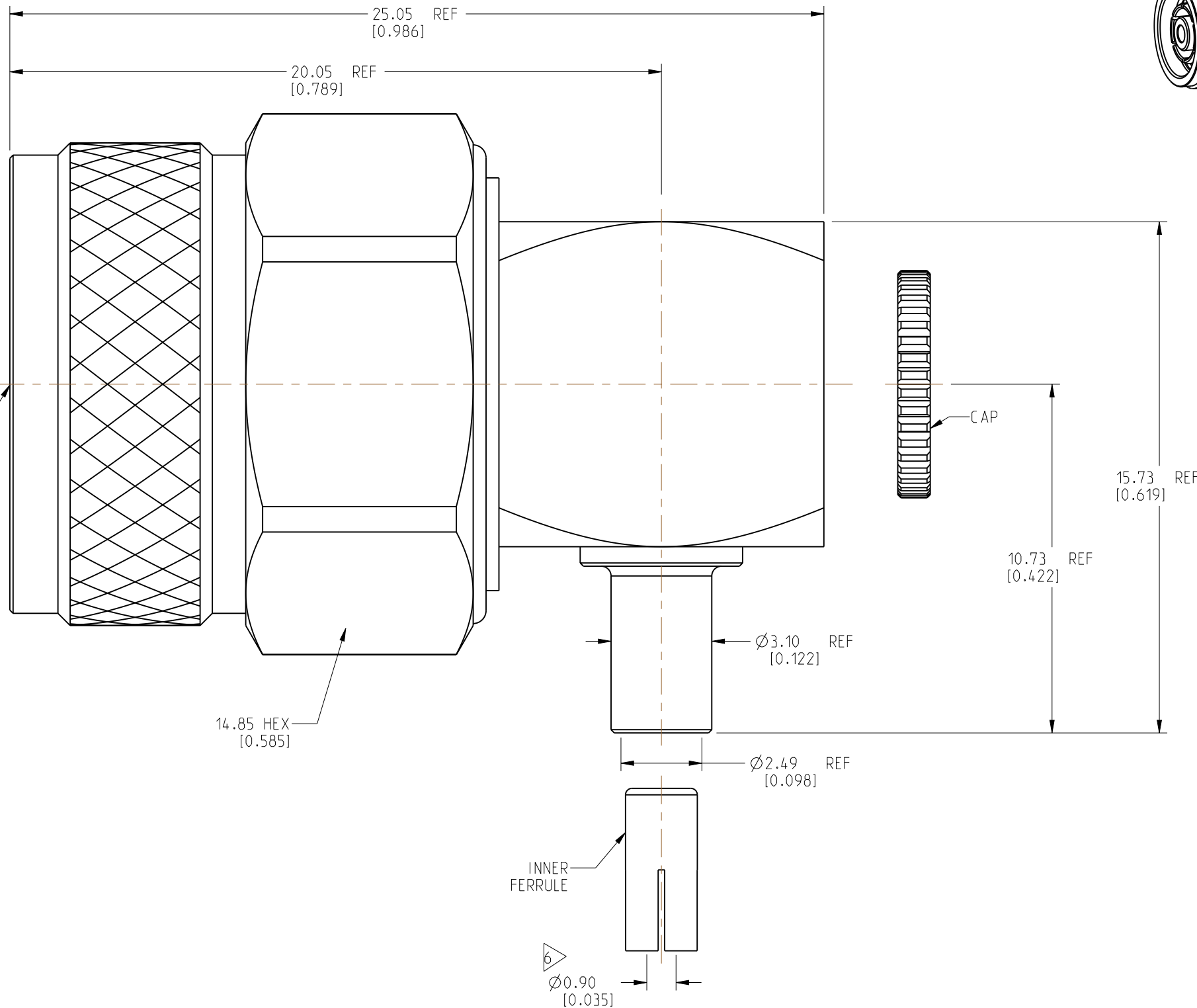


RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)

| REVISIONS | | | | |
|-----------|-----------------|-----------|-------|----|
| REV | DESCRIPTION | DATE | ECN | BY |
| A | RELEASE TO MFG. | 24-SEP-24 | 17177 | SH |



SCALE 1.500



CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

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UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE METRIC (INCHES) AND TOLERANCES ARE:

| | |
|-------------------------|---------------------------|
| <0.5mm = ±0.05mm | [<0.020 = ±0.002] |
| >0.5 - 6mm = ±0.1mm | [>0.020 - 0.236 = ±0.004] |
| >6.00 - 30mm = ±0.2mm | [>0.236 - 1.181 = ±0.008] |
| >30.00 - 120mm = ±0.3mm | [>1.181 - 4.725 = ±0.012] |

| MATERIAL |
|----------|
|----------|

SEE NOTES

ENGR.2
JACK LIANG

| | |
|------|-----------|
| DATE | 22-FEB-21 |
|------|-----------|

| TITLE |
|-------|
|-------|

RP TNC RA PLUG
FOR 0.81 MM CABLE

SHEET NO. 2 OF 2

SCALE: 6.5:1.0

Amphenol RF

| | |
|------|---------------------|
| SIZE | DRAWING NO. 31-6981 |
|------|---------------------|

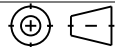
ITEM NO. 31-6981

PART NO. 31-6981

REV

A

THIRD ANGLE PROJ.



REFERENCE

| |
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| EAR# |
| 10195 |