

NOTES:

1. MATERIALS AND FINISHES:  
BODY, BODY REAR - BRASS, NICKEL PLATING  
CONTACT - BRASS, GOLD PLATING  
INSULATOR - PTFE  
INSULATOR REAR - ULTEM  
COUPLING NUT - BRASS, NICKEL PLATING  
CAP - BRASS, NICKEL PLATING  
FERRULE - SEAMLESS COPPER TUBE, NICKEL PLATING  
GASKET, O-RING - SILICONE RUBBER  
HEAT SHRINK TUBING - CROSSLINKED POLYOLEFIN

2. ELECTRICAL:  
A. IMPEDANCE: 50 OHM  
B. FREQUENCY RANGE: DC - 6 GHz  
C. DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS, MIN.

3. MECHANICAL:  
A. DURABILITY: 500 CYCLES MIN.  
B. TEMPERATURE RANGE: -40° C TO +85° C

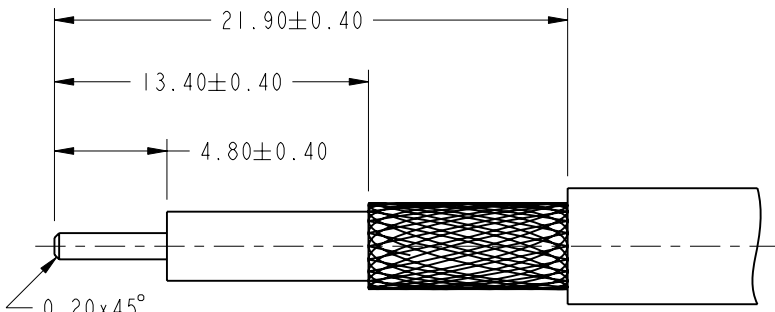
4. PACKAGING:  
A. QUANTITY: SINGLE PACK  
B. MARKING: BAG TO BE MARKED  
"AMPHENOLRF, 31-6501, AND DATE CODE"

5. RECOMMENDED CABLE ASSEMBLY INSTRUCTIONS:  
A. TRIM CABLE AS SHOWN.  
B. SLIDE HEAT SHRINK TUBING, FERRULE AND INSULATOR REAR ONTO CABLE.  
C. INSERT CABLE WITH FOIL ENTERING CONNECTOR AND BRAID OVER KNURL.  
D. SOLDER CONTACT TO CABLE CENTER CONDUCTOR.  
E. CRIMP FERRULE OVER BRAID WITH 0.213" HEX DIE.  
F. APPLY HEAT SHRINK TUBING OVER FERRULE.  
G. HEAT SHRINK TUBING SHOULD FULLY (360 DEG) COVER THE BUMP ON BODY AND END WITHIN AREA "A"

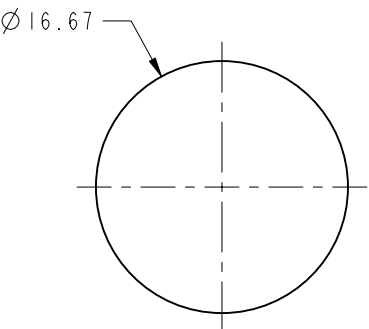
6. CAP ASSEMBLY INSTRUCTIONS:  
A. PLACE O-RING ON CAP AS SHOWN.  
B. ASSEMBLE CAP TO BODY WITH 15 IN-LBS TORQUE.

7. RECOMMENDED COUPLING TORQUE: 4-6 IN-LBS.

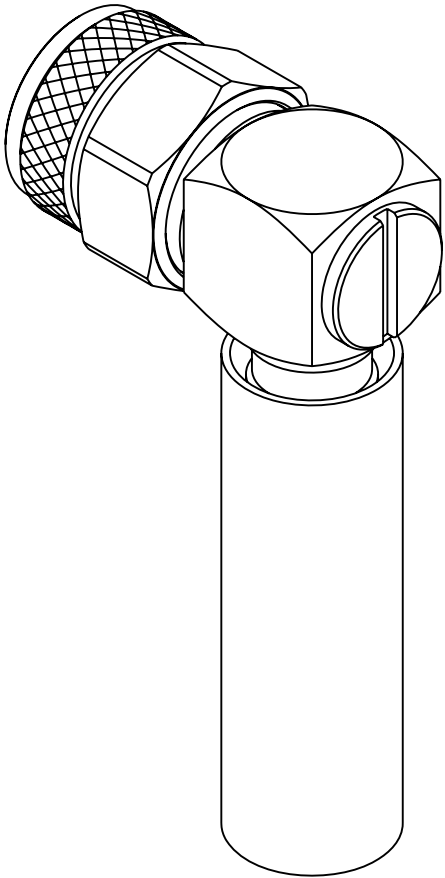
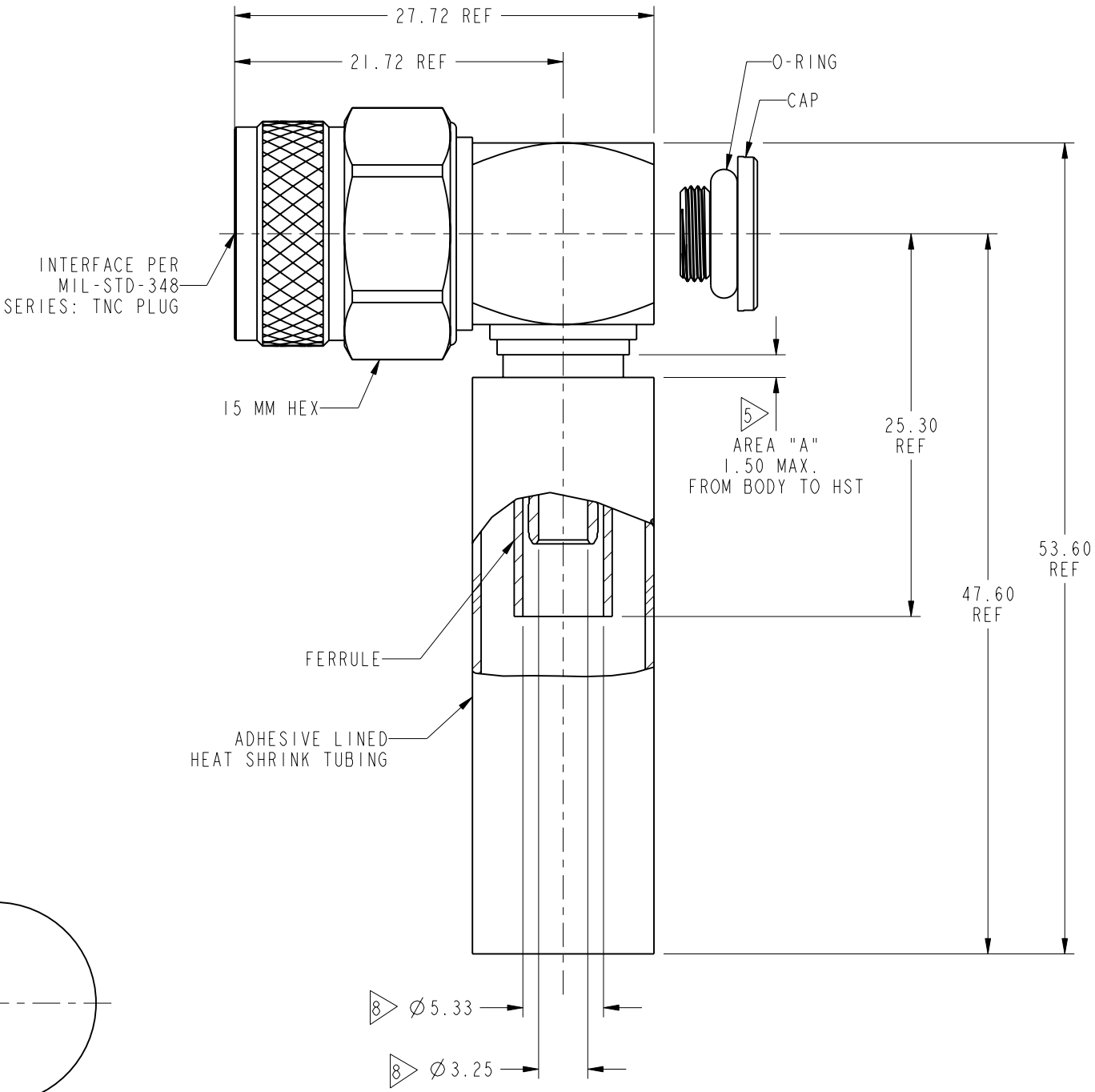
8. SHOWS CABLE ENTRY DIMENSIONS.



RECOMMENDED  
CABLE STRIPPING DIMENSIONS



MIN PASS THRU DIAMETER  
SCALE 2.000



SCALE 2.000

**CUSTOMER OUTLINE DRAWING**  
ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:  
<0.5mm ± 0.05mm 0.5 - 6mm ± 0.1mm 6 - 30mm ± 0.2mm 30 - 120mm ± 0.3mm ANGLES ± 1°

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|           |                     |                   |
|-----------|---------------------|-------------------|
| MATERIAL  | DRAWN<br>R. MAO     | DATE<br>13-Jul-12 |
| REFERENCE | ENGINEER<br>D. DAVE | DATE<br>08-Sep-11 |
| FINISH    | APPROVED            | DATE              |
|           | CAD FILE            |                   |

TITLE  
TNC R/A PLUG, IP-67  
FOR LMR-200 CABLE

|                |              |
|----------------|--------------|
| SCALE: 2.5:1.0 | SHEET 2 OF 2 |
| DWG SIZE<br>B  | REV<br>A     |

Amphenol RF

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DRAWING NO. 31-6501

ITEM NO. 31-6501

PART NO. 31-6501