

NOTES:

1. MATERIALS AND FINISHES:
BODY, INNER FERRULE, HEX NUT
SLEEVE & LOCK WASHER - BRASS, NICKEL PLATING
CONTACT - BeCu, GOLD PLATING
BULLET CONTACT - BRASS, GOLD PLATING
INSULATOR & INSULATOR DISC - PTFE, NATURAL
GASKET & O-RING - SILICONE RUBBER, RED

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM
B. FREQUENCY RANGE: DC - 9 GHz
C. VSWR: 1.30 MAX. @ DC - 3 GHz
1.40 MAX. @ 3 - 6 GHz
1.50 MAX. @ 6 - 9 GHz
D. DIELECTRIC WITHSTANDING VOLTAGE: 500 VRMS, MIN.

3. MECHANICAL:
A. DURABILITY: 500 CYCLES, MIN.
B. TEMPERATURE RANGE: -65°C TO +165°C
C. SEALING: MEETS IP-67 REQUIREMENTS IN UNMATED CONDITION

4. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: PACKAGING TO BE MARKED
"AMPHENOL RF, 31-6998 & DATE CODE"

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. INSTALL SLEEVE AND INSULATOR DISC OVER CABLE, BOTTOMING ON
INNER FERRULE.
D. SOLDER BULLET CONTACT TO CABLE CENTER CONDUCTOR,
BOTTOMING ON INSULATOR DISC.
E. INSERT CABLE INTO CONNECTOR UNTIL IT BOTTOMS.
F. CRIMP BODY OVER INNER FERRULE USING .105" HEX

6. SHOWS CABLE ENTRY DIMENSIONS.

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)

RECOMMENDED MOUNTING HOLE DIMENSIONS

BULLET CONTACT

INSULATOR DISC

SLEEVE

INNER FERRULE

SCALE 1.500

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)

26.63 REF
[1.048]

11.00 REF
[0.433]

8.00 REF
[0.315]

2.50 REF
[0.098]

11.80 REF
[.465]
'D' FLAT

11/16" WRENCH

4.20
[0.165]
MAX. PANEL THICKNESS

16.00 MM WRENCH

1/2-28UNEF-2A
THREAD

7/16-28UNEF-2A
THREAD

LOCK WASHER

INTERFACE PER
MIL-STD-348
SERIES: TNC JACK

GASKET

Ø3.10 REF
[0.122]

Ø2.49 REF
[0.098]

Ø0.34
[0.013]

Ø0.41
[0.016]

Ø0.50
[0.020]

Ø0.90
[0.035]

Ø13.00
[0.512]

5.00
[0.197]
BRAID

2.25
[0.089]
CENTER CONDUCTOR

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)

RECOMMENDED MOUNTING HOLE DIMENSIONS

BULLET CONTACT

INSULATOR DISC

SLEEVE

INNER FERRULE

SCALE 1.500

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 1)

RECOMMENDED CABLE STRIPPING DIMENSIONS (TRIM 2)

CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY

Amphenol RF

SIZE

DRAWING NO. 31-6998

ITEM NO. 31-6998

PART NO. 31-6998

REV

A

TITLE

TNC STR BHD JACK IP 67
FOR 0.81 MM CABLE

SHEET NO. 2 OF 2

SCALE: 6.0:1.0

MATERIAL

SEE NOTES

ENGR.1
KAVI S

ENGR.2
M.ZHANG

DATE
27-MAR-23

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]

ANGLES = ±1°

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THIRD ANGLE PROJ.

REFERENCE

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