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NOTES:

1. MATERIALS AND FINISHES:

BNC STR PLUG - BRASS, NICKEL PLATING

SMA STR PLUG - BRASS, GOLD PLATING

CABLE - RG 174

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM

3. PACKAGING:

A. QUANTITY: SINGLE PACK

B. MARKING: BAG TO BE MARKED

"AMPHENOL RF, 95-850-249-XXX AND DATE CODE"

REVISIONS

REV	DESCRIPTION	DATE	ECN	APPR
A	RELEASE TO MFG.	25-JUN-20	15249	KR

SCALE 0.600

LENGTH 'L' (SEE TABLE)

25.40 REF [1.000] TYP(2)

INTERFACE PER MIL-STD-348 SERIES: BNC PLUG

HEAT SHRINK TUBE TYP(2)

8.00 MM WRENCH

INTERFACE PER MIL-STD-348 SERIES: SMA PLUG

LENGTH TABLE

LENGTH TABLE		
PART NUMBER (IMPERIAL)	PART NUMBER (METRIC)	LENGTH 'L' IN INCHES [METERS]
95-850-249-003	-	3.00 [0.076]
95-850-249-006	-	6.00 [0.152]
95-850-249-012	-	12.00 [0.006]
95-850-249-018	-	18.00 [0.457]
95-850-249-024	-	24.00 [0.610]
95-850-249-036	-	36.00 [0.914]
-	95-850-249M100	39.37 [1.000]
95-850-249-072	-	72.00 [1.829]
-	95-850-249M200	78.74 [2.000]
-	95-850-249M300	118.11 [3.000]

TOLERANCE TABLE

TOLERANCE TABLE	
LENGTH IN INCHES/FT [METERS]	TOLERANCE
0" - 23.90" [0 - 0.607]	±0.25" [0.006]
24.00" - 59.00" [0.610 - 1.499]	±0.50" [0.013]
5.0' - 24.9' [1.524 - 7.617]	±2.5%
25.0' & UP [7.620 & UP]	±5.0%

DESIGN REQUIREMENTS:

☒ FREQUENCY: DC - 6 GHz

☒ CONTINUITY

☐ VSWR: ____ 1 MAX.

☒ HI-POT: 750 VRMS

☐ INS. LOSS: ____ dB MAX

☐ OTHER

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THIRD ANGLE PROJ.

REFERENCE

EAR# 9922

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE METRIC [INCHES] AND TOLERANCES ARE:

<0.5mm = ±0.05mm [$<0.020 = \pm 0.002$]

>0.5 - 6mm = ±0.1mm [$>0.020 - 0.236 = \pm 0.004$]

>6.00 - 30mm = ±0.2mm [$>0.236 - 1.181 = \pm 0.008$]

>30.00 - 120mm = ±0.3mm [$>1.181 - 4.725 = \pm 0.012$]

ANGLES = ±1°

MATERIAL

SEE NOTES

ENGINEER KARTHIK R

DATE 03-JUN-20

TITLE

BNC STR PLUG TO SMA STR PLUG USING RG 174 CABLE VARIOUS LENGTH

SHEET NO. 2 OF 2

SCALE: 2.2:1.0

Amphenol RF

SIZE B

DRAWING NO. 95-850-249-XXX

ITEM NO. 95-850-249-XXX

PART NO. 95-850-249-XXX

REV A

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