

5

4

3

2

1

NOTES:

1. MATERIALS AND FINISHES:
SMA STR PLUG - BRASS, NICKEL PLATING
CABLE - LMR 100A

2. ELECTRICAL:
A. IMPEDANCE: 50 OHM

3. PACKAGING:
A. QUANTITY: SINGLE PACK
B. MARKING: BAG TO BE MARKED
"AMPHENOL RF, 95-902-589-XXX AND DATE CODE".

REV

DESCRIPTION

DATE

ECN

BY

A

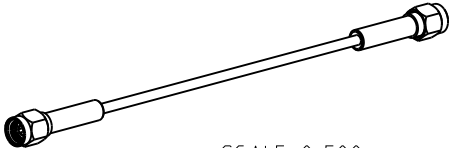
RELEASE TO MFG.

30-MAR-23

16627

KR

SCALE 0.500



LENGTH 'L' (SEE TABLE)

HEAT SHRINK TUBE
TYP(2)

INTERFACE PER
MIL-STD-348
SERIES: SMA PLUG
TYP(2)

25.40±1.27
[1.000±0.050]
TYP(2)

8.00 MM
WRENCH
TYP(2)

LENGTH TABLE		
PART NUMBER (IMPERIAL)	PART NUMBER (METRIC)	LENGTH 'L' IN INCHES [METERS]
-	95-902-589M025	9.84 [0.250]
95-902-589-012	-	12.00 [0.305]
95-902-589-018	-	18.00 [0.457]
-	95-902-589M050	19.69 [0.500]
95-902-589-024	-	24.00 [0.610]
95-902-589-036	-	36.00 [0.914]
-	95-902-589M100	39.37 [1.000]
95-902-589-048	-	48.00 [1.219]
-	95-902-589M200	78.74 [2.000]
-	95-902-589M300	118.11 [3.000]

TOLERANCE TABLE	
LENGTH IN INCHES/FT [METERS]	TOLERANCE
0" - 23.99" [0 - 0.609]	±0.25" [0.006]
24.00" - 59.99" [0.610 - 1.523]	±0.50" [0.013]
5.0' - 24.99' [1.524 - 7.617]	±2.5%
25.0' & UP [7.620 & UP]	±5.0%

DESIGN REQUIREMENTS

☒ FREQUENCY: DC - 12.4 GHz

☒ CONTINUITY

☐ VSWR: ____ :1 MAX.

☒ HI-POT: 500 VRMS

☐ INS. LOSS: ____ dB MAX.

☐ OTHER

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THIRD ANGLE PROJ.

REFERENCE

EAR#
11769

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

ENGR.1
KARTHIK R

ENGR.2

DATE
07-MAR-23

TITLE

SMA STR PLUG TO SMA STR PLUG
USING LMR 100A CABLE
VARIOUS LENGTH

SHEET NO. 2 OF 2

SCALE: 2.5:1.0

Amphenol RF

SIZE
B

DRAWING NO. 95-902-589-XXX
ITEM NO. 95-902-589-XXX
PART NO. 95-902-589-XXX

REV
A