

NOTES:

I. MATERIALS AND FINISHES:

SMA STR PLUG - STAINLESS STEEL, GOLD PLATING  
CABLE - TFLEX 405

2. ELECTRICAL:

A. IMPEDANCE: 50 OHM

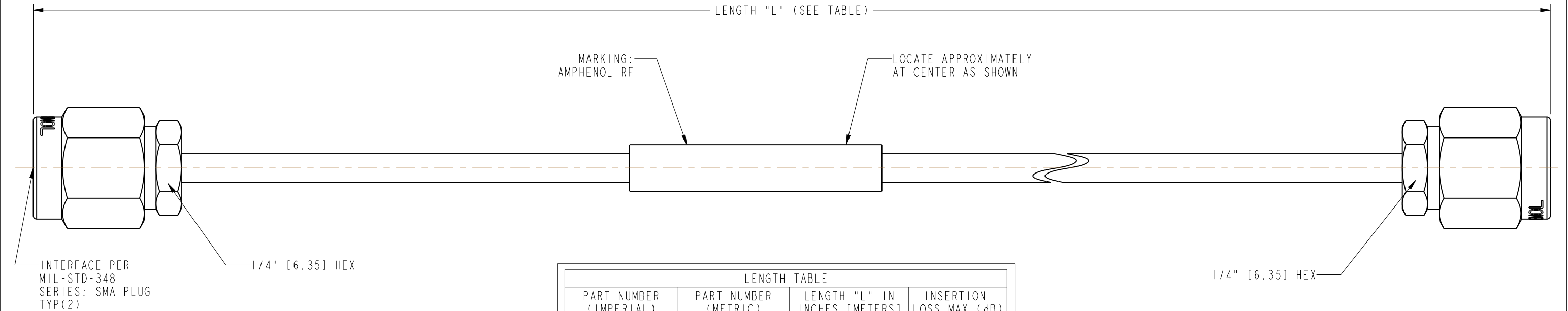
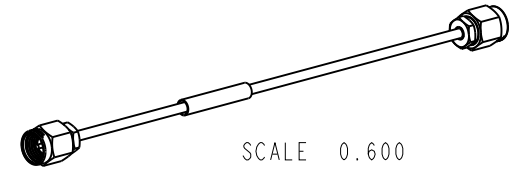
3. PACKAGING:

A. QUANTITY: SINGLE PACK  
B. MARKING: BAG TO BE MARKED  
"AMPHENOL RF, 95-902-451-XXX AND DATE CODE".

THIRD ANGLE PROJ. 

## REVISIONS

| REV | DESCRIPTION                          | DATE     | ECO   | APPR |
|-----|--------------------------------------|----------|-------|------|
| A   | RELEASE TO MFG                       | 11/16/15 | 50824 | VK   |
| B   | ADDED PNS FOR 3, 4, AND 5 IN LENGTHS | 12/18/15 | 50911 | JN   |



| LENGTH TABLE              |                         |                                  |                            |
|---------------------------|-------------------------|----------------------------------|----------------------------|
| PART NUMBER<br>(IMPERIAL) | PART NUMBER<br>(METRIC) | LENGTH "L" IN<br>INCHES [METERS] | INSERTION<br>LOSS MAX (dB) |
| 95-902-451-003            | -                       | 3.00 [0.076]                     | 0.50                       |
| 95-902-451-004            | -                       | 4.00 [0.102]                     | 0.60                       |
| 95-902-451-005            | -                       | 5.00 [0.127]                     | 0.70                       |
| 95-902-451-006            | -                       | 6.00 [0.152]                     | 0.80                       |
| 95-902-451-007            | -                       | 7.00 [0.178]                     | 0.90                       |
| 95-902-451-008            | -                       | 8.00 [0.203]                     | 1.00                       |
| 95-902-451-009            | -                       | 9.00 [0.229]                     | 1.10                       |
| -                         | 95-902-451M025          | 9.84 [0.250]                     | 1.15                       |
| 95-902-451-010            | -                       | 10.00 [0.254]                    | 1.15                       |
| 95-902-451-012            | -                       | 12.00 [0.305]                    | 1.30                       |
| 95-902-451-018            | -                       | 18.00 [0.457]                    | 1.90                       |
| -                         | 95-902-451M050          | 19.69 [0.500]                    | 2.00                       |
| 95-902-451-024            | -                       | 24.00 [0.610]                    | 2.40                       |
| 95-902-451-036            | -                       | 36.00 [0.914]                    | 3.40                       |
| -                         | 95-902-451M100          | 39.37 [1.000]                    | 3.70                       |

### DESIGN REQUIREMENTS:

X FREQUENCY : DC TO 18 GHz

X VSWR : 1.650 MAX.

|   |                       |
|---|-----------------------|
| X | INS. LOSS : SEE TABLE |
|---|-----------------------|

X CONTINUITY

X HI-POT: 500 VRMS

☐ OTHER

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES AND TOLERANCES ARE:

| 2 PLACE DECIMAL  | 3 PLACE DECIMAL  | ANGLES |
|------------------|------------------|--------|
| ±.015 (0,381 mm) | ±.005 (0,127 mm) | ± 1°   |

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

SEE NOTES

DRAWN  
J. NERI

DATE  
02-Dec-15

ENGINEER  
VIJIK

DATE  
15-Oct-15

|            |
|------------|
| REFERENCE  |
| EAR # 6826 |

APPROVED  
K. CAPOZZI

DATE  
12/18/15

CONFIGURATION LEVEL: In Work

|          |
|----------|
| CAD FILE |
|----------|

FINISH

|       |                                                                                                     |
|-------|-----------------------------------------------------------------------------------------------------|
| TITLE | SMA STR PLUG TO SMA STR PLUG<br>WITH ANTI-TORQUE BODY,<br>USING TFLEX 405 CABLE,<br>VARIOUS LENGTHS |
|-------|-----------------------------------------------------------------------------------------------------|

|                |              |
|----------------|--------------|
| SCALE: 3.5:1.0 | SHEET 2 OF 2 |
|----------------|--------------|

DWG SIZE  
B

REV  
B

Amphenol RF

www.amphenorfr.com

DRAWING NO. 95-902-451-XXX

ITEM NO. 95-902-451-XXX

PART NO. 95-902-451-XXX

## CUSTOMER OUTLINE DRAWING

ALL OTHER SHEETS ARE FOR INTERNAL USE ONLY