

NOTES:

1. MATERIALS AND FINISHES:  
 SMPM STR PLUG - BeCu, GOLD PLATING  
 CABLE - 0.047 SEMI-RIGID CONFORMABLE
2. ELECTRICAL:  
 A. IMPEDANCE: 50 OHM
3. PACKAGING:  
 A. QUANTITY: SINGLE PACK  
 B. MARKING: BAG TO BE MARKED  
 "AMPHENOL RF, 95-725-112-XXX AND DATE CODE"

THIRD ANGLE PROJ.

REVISIONS

| REV | DESCRIPTION                             | DATE      | ECO  | APPR |
|-----|---|-----------|------|------|
| A   | RELEASE TO MFG.                         | 20-Mar-17 | 3344 | BMG  |
| B   | SHEET 1 CHANGE                          | 06-Apr-17 | 3506 | BMG  |
| C   | FREQUENCY AND VSWR REQUIREMENTS UPDATED | 19-Mar-18 | 7383 | BMG  |



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

| LENGTH TABLE           |                      |   |
|------------------------|----------------------|---|
| PART NUMBER (IMPERIAL) | PART NUMBER (METRIC) | LENGTH AND TOLERANCE 'L' IN INCHES [METERS] |
| 95-725-112-030         | -                    | 3.00 [0.076]                                |
| -                      | 95-725-112M010       | 3.94 [0.100]                                |
| 95-725-112-040         | -                    | 4.00 [0.102]                                |
| 95-725-112-050         | -                    | 5.00 [0.127]                                |
| 95-725-112-060         | -                    | 6.00 [0.152]                                |
| 95-725-112-070         | -                    | 7.00 [0.178]                                |
| 95-725-112-080         | -                    | 8.00 [0.203]                                |
| 95-725-112-090         | -                    | 9.00 [0.229]                                |
| -                      | 95-725-112M025       | 9.84 [0.250]                                |
| 95-725-112-100         | -                    | 10.00 [0.254]                               |
| 95-725-112-110         | -                    | 11.00 [0.279]                               |
| 95-725-112-120         | -                    | 12.00 [0.305]                               |
| 95-725-112-180         | -                    | 18.00 [0.457]                               |
| -                      | 95-725-112M050       | 19.69 [0.500]                               |
| 95-725-112-240         | -                    | 24.00 [0.610]                               |
| -                      | 95-725-112M075       | 29.53 [0.750]                               |
| 95-725-112-360         | -                    | 36.00 [0.914]                               |
| -                      | 95-725-112M100       | 39.37 [1.000]                               |
| 95-725-112-480         | -                    | 48.00 [1.219]                               |
| -                      | 95-725-112M200       | 78.74 [2.000]                               |

| 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:

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> FREQUENCY : DC TO 18 GHz       | <input checked="" type="checkbox"/> CONTINUITY        |
| <input checked="" type="checkbox"/> VSWR : 1.25 MAX. [DC-18.0 GHz] | <input checked="" type="checkbox"/> HI-POT : 500 VRMS |
| <input type="checkbox"/> INS. LOSS: ---- dB MAX                    | <input type="checkbox"/> OTHER                        |

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

|   |                 |          |            |   |       |                                   |
|---|-----------------|----------|------------|---|-------|-----------------------------------|
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN METRIC AND TOLERANCES ARE:<br><0.5mm ±0.05mm    0.5 - 6mm ±0.1mm    6 - 30mm ±0.2mm    30 - 120mm ±0.3mm    ANGLES ±1°  | MATERIAL        | DRAWN    | DATE       | TITLE   |       | Amphenol RF<br>www.amphenolrf.com |
|   | -               | VIJI K   | 06-Apr-17  | SMPM STR PLUG TO SMPM STR PLUG USING 0.047 SEMI-RIGID CONFORMABLE CABLE, VARIOUS LENGTH |       |                                   |
| NOTICE - These drawings, specifications, or other data (1) are, and remain the property of Amphenol corp. (2) must be returned upon request; and (3) are confidential and not to be disclosed to any person other than those to whom they are given by Amphenol Corp. the furnishing of these drawings, specifications, or other data by Amphenol Corp., or to any other person to anyone for any purpose is not to be regarded by implication or otherwise in any manner licensing, granting rights to permitting such holder or any other person to manufacture, use or sell any product, process or design, patented or otherwise, that may in any way be related to or disclosed by said drawings, specifications, or other data. | REFERENCE       | ENGINEER | DATE       | SCALE: 4.0:1.0   SHEET 2 OF 2   |       | DRAWING NO. 95-725-112-XXX        |
|   | EAR# EAR # 7428 | VIJI K   | 06-Apr-17  | DWG SIZE B  |       | ITEM NO. 95-725-112-XXX           |
|   | REF: --         | APPROVED | K. CAPOZZI | DATE  | REV C | PART NO. 95-725-112-XXX           |
| CONFIGURATION LEVEL: In Work  | CAD FILE        |          |            |   |       |                                   |
| FINISH  |                 |          |            |   |       |                                   |