

NOTES:

1. MATERIALS AND FINISHES:  
SMP STR PLUG - BeCu, 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, 95-725-107-XXX AND DATE CODE"

THIRD ANGLE PROJ.

REVISIONS

| REV | DESCRIPTION   | DATE      | ECO   | APPR |
|-----|---|-----------|-------|------|
| A   | RELEASE TO MFG  | 22-Oct-14 | 50205 | BCG  |
| B   | FREQUENCY 20 WAS 26.5 GHz, VSWR UPDATED, 48.00" & METERIC LENGTHS ADDED | 14-Oct-16 | 2146  | VK   |
| C   | METRIC PART NUMBER UPDATED  | 28-Feb-17 | 3143  | VK   |



| LENGTH TABLE           |                      |   |
|------------------------|----------------------|---|
| PART NUMBER (IMPERIAL) | PART NUMBER (METRIC) | LENGTH AND TOLERANCE 'L' IN INCHES [METERS] |
| 95-725-107-030         | -                    | 3.00 [0.076]                                |
| 95-725-107-040         | -                    | 4.00 [0.102]                                |
| 95-725-107-050         | -                    | 5.00 [0.127]                                |
| 95-725-107-060         | -                    | 6.00 [0.152]                                |
| 95-725-107-070         | -                    | 7.00 [0.178]                                |
| 95-725-107-080         | -                    | 8.00 [0.203]                                |
| 95-725-107-090         | -                    | 9.00 [0.229]                                |
| -                      | 95-725-107M025       | 9.84 [0.250]                                |
| 95-725-107-100         | -                    | 10.00 [0.254]                               |
| 95-725-107-110         | -                    | 11.00 [0.279]                               |
| 95-725-107-120         | -                    | 12.00 [0.305]                               |
| 95-725-107-180         | -                    | 18.00 [0.457]                               |
| -                      | 95-725-107M050       | 19.69 [0.500]                               |
| 95-725-107-240         | -                    | 24.00 [0.610]                               |
| -                      | 95-725-107M075       | 29.53 [0.750]                               |
| 95-725-107-360         | -                    | 36.00 [0.914]                               |
| -                      | 95-725-107M100       | 39.37 [1.000]                               |
| 95-725-107-480         | -                    | 48.00 [1.219]                               |
| -                      | 95-725-107M200       | 78.74 [2.000]                               |
| -                      | 95-725-107M400       | 157.48 [4.000]                              |

| 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 20 GHz   | <input checked="" type="checkbox"/> CONTINUITY        |
| <input checked="" type="checkbox"/> VSWR : 1.25 MAX. [DC-6 GHz]<br>1.50 MAX. [6-12.5 GHz]<br>1.75 MAX. [12.5-20 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 INCHES AND TOLERANCES ARE:<br>2 PLACE DECIMAL 3 PLACE DECIMAL ANGLES<br>±.015 (0.381 mm) ±.005 (0.127 mm) ± 1°  |                              | MATERIAL<br>SEE NOTES                        | DRAWN<br>RAJAGOPAL N<br>DATE<br>24-Sep-14 | TITLE<br>SMP STR PLUG TO<br>SMP STR PLUG USING<br>TFLEX 405 CABLE,<br>VARIOUS LENGTH | Amphenol RF<br>www.amphenolrf.com |                           |
| 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<br>EAR # 6454      | ENGINEER<br>RAJAGOPAL N<br>DATE<br>24-Sep-14 | DATE<br>28-Feb-17                         | SCALE: 3.8:1.0 SHEET 2 OF 2  |                                   | DRAWING NO.95-725-107-XXX |
|   | CONFIGURATION LEVEL: In Work | APPROVED<br>K.CAPOZZI<br>DATE<br>28-Feb-17   | CAD FILE                                  | DWG SIZE<br>B  | REV<br>C                          | ITEM NO.95-725-107-XXX    |
|   | FINISH                       |  |   |  |                                   | PART NO.95-725-107-XXX    |