

NOTES:  
  
1. MATERIALS AND FINISHES:  
SMA STR BHD JACK - BRASS, GOLD PLATING  
MMCX R/A PLUG - BRASS, GOLD PLATING  
CABLE - RG 174, BLACK  
  
2. ELECTRICAL:  
A. IMPEDANCE: 50 OHM  
  
3. PACKAGING:  
A. QUANTITY: SINGLE PACK  
B. MARKING: BAG TO BE MARKED  
"AMPHENOL RF, 245106-02-XX.XX AND DATE CODE"

THIRD ANGLE PROJ.

REVISIONS

| REV | DESCRIPTION                                 | DATE      | ECO   | APPR |
|-----|---------------------------------------------|-----------|-------|------|
| A   | RELEASE TO MFG.                             | 06-Jun-11 | --    | KR   |
| C   | COD SHEET ADDED & TABLE UPDATED             | 16-Apr-15 | 50473 | KR   |
| D   | NOTES, FORMAT UPDATED & 48.00" LENGTH ADDED | 17-Oct-18 | 9421  | PL   |

| LENGTH TABLE              |                         |                               |                                   |
|---------------------------|-------------------------|-------------------------------|-----------------------------------|
| PART NUMBER<br>(IMPERIAL) | PART NUMBER<br>(METRIC) | LENGTH 'L' IN INCHES [METERS] | LENGTH 'X' IN INCHES [METERS] MIN |
| 245106-02-06.00           | -                       | 6.00 [0.152]                  | 0.75 [0.019]                      |
| -                         | 245106-02-M0.25         | 9.84 [0.250]                  |                                   |
| 245106-02-12.00           | -                       | 12.00 [0.305]                 |                                   |
| 245106-02-18.00           | -                       | 18.00 [0.457]                 |                                   |
| -                         | 245106-02-M0.50         | 19.69 [0.500]                 | 1.50 [0.038]                      |
| 245106-02-24.00           | -                       | 24.00 [0.610]                 |                                   |
| -                         | 245106-02-M0.75         | 29.53 [0.750]                 |                                   |
| 245106-02-36.00           | -                       | 36.00 [0.914]                 |                                   |
| -                         | 245106-02-M1.00         | 39.37 [1.000]                 |                                   |
| 245106-02-48.00           | -                       | 48.00 [1.219]                 |                                   |
| -                         | 245106-02-M2.00         | 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:

☒ FREQUENCY: DC - 1 GHz

☒ CONTINUITY

☐ VSWR: \_\_\_\_\_ MAX

☒ HI-POT: 500 VRMS

☐ INS. LOSS: \_\_\_\_\_ dB MAX

☐ OTHER

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                              |                                                 |                                            |                                                                                                                            |                                       |                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------------------|
| 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°<br><br>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. | MATERIAL<br><br>SEE NOTES    | DRAWN<br>KARTHIK R<br><br>ENGINEER<br>KARTHIK R | DATE<br>06-Jun-11<br><br>DATE<br>06-Jun-11 | TITLE<br>SMA STR BHD JACK TO<br>MMCX R/A PLUG<br>USING RG 174 CABLE<br>VARIOUS LENGTH<br><br>SCALE: 2.5:1.0   SHEET 2 OF 2 | Amphenol RF<br><br>www.amphenolrf.com |                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | REFERENCE<br>EAR # 6419      | APPROVED<br>K.CAPOZZI                           | DATE<br>17-Oct-18                          |                                                                                                                            |                                       |                                                    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | CONFIGURATION LEVEL: In Work | CAD FILE                                        |                                            | DWG SIZE<br>B                                                                                                              | REV<br>D                              | DRAWING NO.245106-02-XX-XX                         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | FINISH                       |                                                 |                                            |                                                                                                                            |                                       | ITEM NO.245106-02-XX-XX<br>PART NO.245106-02-XX-XX |