

NOTES:

1. MATERIALS AND FINISHES:

SMA STR PLUG: BODY - BRASS, GOLD PLATING  
 CONTACT - BRASS, GOLD PLATING  
 INSULATOR - PTFE, NATURAL  
 SMA STR JACK: BODY - BRASS, GOLD PLATING  
 CONTACT - BERYLLIUM COPPER, GOLD PLATING  
 INSULATOR - PTFE, NATURAL  
 CABLE - 0.085" CONFORMABLE

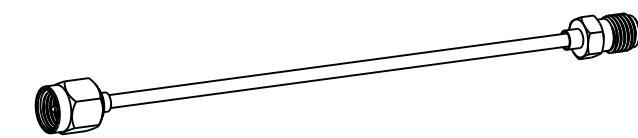
2. ELECTRICAL:

A. IMPEDANCE: 50 OHM

3. PACKAGING:

A. QUANTITY: SINGLE PACK  
 B. MARKING: BAG TO BE MARKED  
 "AMPHENOL RF, 135106-R1-XX.XX AND DATE CODE"

| REVISIONS |   |           |       |     |
|-----------|---|-----------|-------|-----|
| REV       | DESCRIPTION   | DATE      | ECN   | BY  |
| A         | RELEASE TO MFG.   | 15-JUN-10 | --    | CL  |
| B         | RELEASE TO ARFA, ADDED COD  | 25-JUL-23 | 16742 | SH  |
| C         | 3.00, 4.00, 5.00, 7.00, 8.00, 9.00, 10.00 & 11.00 INCH LENGTHS, FREQUENCY DC - 18 GHz & EAR 13005 ADDED | 17-FEB-26 | 17778 | GSB |



SCALE 0.800



| LENGTH TABLE           |                               |
|------------------------|-------------------------------|
| PART NUMBER (IMPERIAL) | LENGTH 'L' IN INCHES [METERS] |
| 135106-R1-03.00        | 3.00 [0.076]                  |
| 135106-R1-04.00        | 4.00 [0.102]                  |
| 135106-R1-05.00        | 5.00 [0.127]                  |
| 135106-R1-06.00        | 6.00 [0.152]                  |
| 135106-R1-07.00        | 7.00 [0.178]                  |
| 135106-R1-08.00        | 8.00 [0.203]                  |
| 135106-R1-09.00        | 9.00 [0.229]                  |
| 135106-R1-10.00        | 10.00 [0.254]                 |
| 135106-R1-11.00        | 11.00 [0.279]                 |
| 135106-R1-12.00        | 12.00 [0.305]                 |
| 135106-R1-18.00        | 18.00 [0.457]                 |
| 135106-R1-24.00        | 24.00 [0.610]                 |
| 135106-R1-36.00        | 36.00 [0.914]                 |

| 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 - 18 GHz
- CONTINUITY
- VSWR: \_\_\_\_\_ 1 MAX.
- HI-POT: 500 VRMS
- INS. LOSS: \_\_\_\_\_ dB MAX.
- OTHER

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

|  |  |   |  |                       |  |   |  |                  |  |
|--|--|---|--|-----------------------|--|---|--|------------------|--|
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| THIRD ANGLE PROJ.  REFERENCE   |  | ENGR.1 CLEMENT  |  | ENGR.2 BRYANT         |  | DATE 25-Jul-23  |  | SHEET NO. 2 OF 2 |  |
| EAR# 13005   |  | ANGLES = ±1°  |  | SCALE: 3.5:1.0        |  | DRAWING NO. 135106-R1-XX.XX   |  | REV C            |  |
|  |  |   |  |                       |  | ITEM NO. 135106-R1-XX.XX  |  |                  |  |
|  |  |   |  |                       |  | PART NO. 135106-R1-XX.XX  |  |                  |  |