

NOTES:

Materials:

SST. corrosion-resistant, Non Magnetic 303, per ASTM A484 and A582. Beryllium Copper per ASTM-B-196, QQ-C-530 PTFE Fluorocarbon per ASTM-D-1710 Type 1

Finish:

Center Conductors and solder components shall be plated per MIL-G-45204 Type II, Class 1 over Nickel plate per QQ-N-290.  
Body and Body components shall be passivated per ASTM A380.

Frequency:

DC-10 GHz

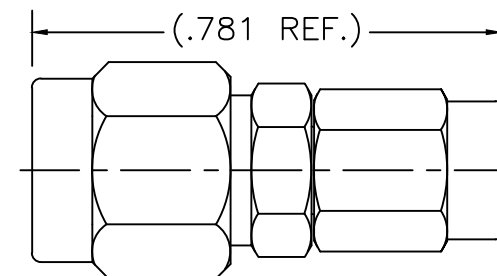
VSWR:

1.15 TO 10 GHz

Insertion Loss:

 $.05\sqrt{\text{Frequency}}$ 

20-933-0000-00



|     |              |       |       |                                                                                                                                                                                                                                                                                                         |         |                                        |                   |                                                                                                                                                        |                            |
|-----|--------------|-------|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|
| LTR | DESCRIPTION  | DATE  | APPR. | DRAWN<br>LRH                                                                                                                                                                                                                                                                                            | CHECKED | USED ON<br>20-933-0000-00              |                   |  SRI CONNECTOR GAGE CO.<br>751 NORTH DRIVE<br>MELBOURNE FL. 32934 |                            |
| —   | REL          | 6/90  |       | APPR.                                                                                                                                                                                                                                                                                                   | SCALE   | MATERIAL                               |                   | TITLE<br><br>SMA PLUG TO<br>SMC PLUG<br>(FEMALE CONTACT)                                                                                               |                            |
| —   | DRAWN IN CAD | 12/00 |       | UNLESS OTHERWISE SPECIFIED:<br>1. REMOVE ALL BURRS<br>2. BREAK ALL CORNERS & EDGES .005 R. MAX<br>3. CHAMFER 1st & LAST THREADS 45°<br>4. SURFACE FINISHED 32✓UNLESS OTHERWISE SPECIFIED.<br>5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN .002 T.I.R.<br>6. ALL DIMENSIONS ARE AFTER PLATING. |         |                                        |                   |                                                                                                                                                        |                            |
|     |              |       |       |                                                                                                                                                                                                                                                                                                         |         | FINISH                                 |                   |                                                                                                                                                        |                            |
|     |              |       |       |                                                                                                                                                                                                                                                                                                         |         |                                        |                   |                                                                                                                                                        |                            |
|     |              |       |       |                                                                                                                                                                                                                                                                                                         |         | DIMENSIONS ARE IN INCHES<br>TOLERANCES |                   |                                                                                                                                                        |                            |
|     |              |       |       |                                                                                                                                                                                                                                                                                                         |         |                                        |                   |                                                                                                                                                        |                            |
|     |              |       |       | DECIMALS                                                                                                                                                                                                                                                                                                |         | FRACTIONAL                             |                   | ANGULAR                                                                                                                                                |                            |
|     |              |       |       | .X ±.030                                                                                                                                                                                                                                                                                                |         | ± 1/64                                 |                   | .X° ±1°0'                                                                                                                                              |                            |
|     |              |       |       | .XX ±.010                                                                                                                                                                                                                                                                                               |         |                                        |                   | .X°X' ±15'                                                                                                                                             |                            |
|     |              |       |       | .XXX ±.005                                                                                                                                                                                                                                                                                              |         |                                        |                   |                                                                                                                                                        |                            |
|     |              |       |       |                                                                                                                                                                                                                                                                                                         |         | SIZE<br>A                              | FSCM NO.<br>OHMO1 | SHEET<br>1                                                                                                                                             | DWG. NO.<br>20-933-0000-00 |