

| REV  | DESCRIPTION OF REVISION | ECN No. | BY      | DATE       | APPROVED |
|------|-------------------------|---------|---------|------------|----------|
| Rv01 | N/A                     | N/A     | J. Wang | 2013/05/19 | Karl Pam |

## TECHNICAL DATA

### Electrical data

Impedance 50Ω  
 Frequency range 0~12.4GHz  
 VSWR  
 Straight ≤1.1  
 Right Angle ≤1.2  
 Contact resistance  
 -center contact ≤3mΩ  
 -outer contact ≤2mΩ  
 Insulation resistance ≥5000MΩ

### Mechanical data

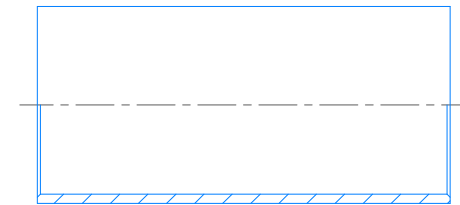
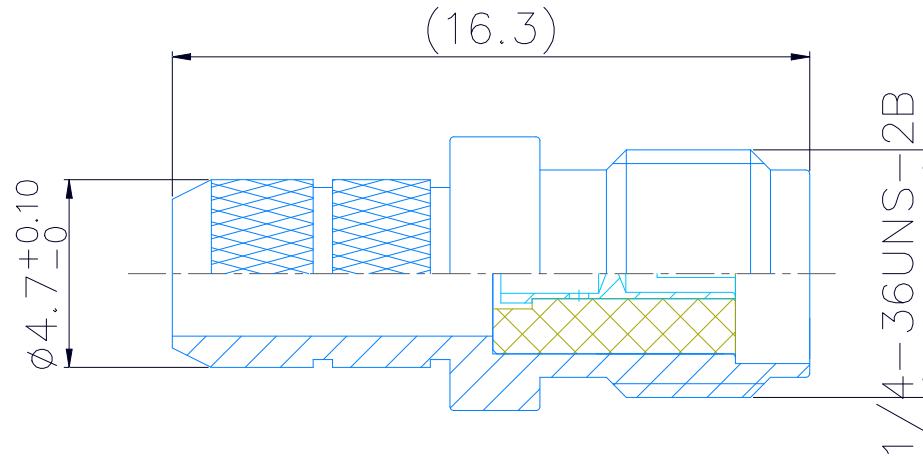
Temperature range -65°C~+165°C  
 Durability(matings) >500

### Material data

| Piece Part       | Base Material | Plating        |
|------------------|---------------|----------------|
| Body             | Brass         | Gold Plated    |
| Center conductor | Brass         | Gold plated    |
| Crimping suite   | Copper alloy  | Nick el plated |
| O-ring sealing   | 6146 silastic |                |
| Insulator        | PTFE          |                |

### Interface Standards

IEC 60169-15 /MIL-C-39012/CECC22 110



### NOTES:

- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME
- CUSTOMER OUTLINE DRAWING FOR REFERENCE ONLY

|   |  |               |           |  |
|---|--|---------------|-----------|--|
| Part Name:<br>SMA female crimp<br>for RG174 cable | <b>VOTON</b> ®<br>Machinery <a href="http://www.RF-connectors.com">www.RF-connectors.com</a> |               |           |  |
|   | DIMENSIONS IN MILLIMETERS (mm)   |               |           |  |
| SIZE:<br>A4                                       | SCALE:<br>4:1  | SHEET:<br>1/1 | REV:<br>A |  |