

| REV | DESCRIPTION OF REVISION | ECN No. | BY      | DATE     | APPROVED |
|-----|-------------------------|---------|---------|----------|----------|
| A   | INITIAL RELEASE         | —       | H. Xiao | 03/08/11 | M. Dong  |

## TECHNICAL DATA

### Electrical data

|                       |                                          |
|-----------------------|------------------------------------------|
| Impedance             | 50 Ω                                     |
| Frequency range       | 0~27 GHz                                 |
| VSWR                  | 1.10:1 (0~18GHz)<br>1.15:1 (18GHz~27GHz) |
| Contact resistance    |                                          |
| -centre contact       | ≤3mΩ                                     |
| -outer contact        | ≤2mΩ                                     |
| Insulation resistance | ≥5000MΩ                                  |

### Mechanical data

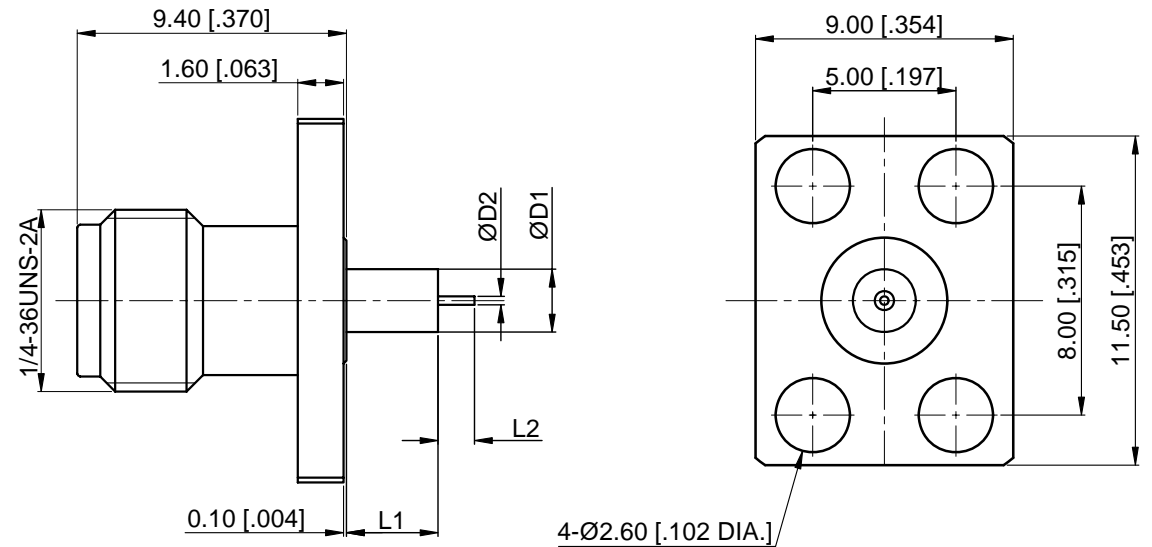
|                      |                  |
|----------------------|------------------|
| Temperature range    | -55 °C ~ +165 °C |
| Durability (matings) | >500             |

### Material data

|             |                                     |
|-------------|-------------------------------------|
| Body        | Stainless Steel (SU303), Passivated |
| Pin Contact | Beryllium Copper Alloy, Gold-plated |
| Insulator   | PEI, PTFE                           |

### Interface Standards


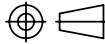
|     |              |
|-----|--------------|
| SMA | MIL-STD-348A |
|-----|--------------|



| Part Number    | ØD1        | ØD2         | L1         | L2          |
|----------------|------------|-------------|------------|-------------|
| 60-02-9F2-116A | 2.2 [.087] | 0.30 [.012] | 3.2 [.126] | 1.27 [.050] |
| 60-02-9F2-116B | 2.1 [.083] | 0.64 [.025] | 15 [.591]  | 3 [.118]    |

#### NOTES:

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

|                                                                                                                |                                                                      |                                                                                                                                               |  |  |             |
|----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|--|--|-------------|
| DRAWN: H. Xiao 03/08/11                                                                                        | TITLE:                                                               | <br><a href="http://www.cmp ter.com">www.cmp ter.com</a> |  |  |             |
| ENGINEER: YF. Zhu 03/08/11                                                                                     | SMA Straight Female,<br>Insulator Through the Wall,<br>4 Hole Flange |                                                                                                                                               |  |  |             |
| APPROVED: M. Dong 03/08/11                                                                                     |                                                                      | <br>DIMENSIONS IN MILLIMETERS (mm)                       |  |  |             |
| TOLERANCE UNLESS OTHERWISE SPECIFIED<br>X ±0.50 [.019"]<br>.X ±0.20 [.008"]<br>.XX ±0.10 [.004"]<br>ANGLES ±1° | PART No.: 60-02-9F2-116                                              |                                                                                                                                               |  |  | SIZE:<br>A4 |