

## SMP Serial Adapter 2.92mm Female to SMP Male DC - 40GHz

**Features**

- Wide band operation
- Low VSWR
- 50 Ohm Matched

**Typical Applications**

- Enables Between Series Connections
- Test and Measurement

**Electrical Specifications, TA = +25 °C**

| Parameter         | Min.                         | Typ. | Max. | Units |
|-------------------|------------------------------|------|------|-------|
| Frequency Range   | DC                           |      | 40   | GHz   |
| VSWR              |                              |      | 1.20 | : 1   |
| Impedance         | 50                           |      |      | Ohms  |
| Connectors        | 2.92mm-Female/SMP-Male       |      |      |       |
| Material          | Stainless Steel SUS303       |      |      |       |
| Surface Treatment | Polished & Passivated        |      |      |       |
| Center PIN        | Beryllium Copper Gold Plated |      |      |       |
| Insulate material | PEI&PTFE                     |      |      |       |

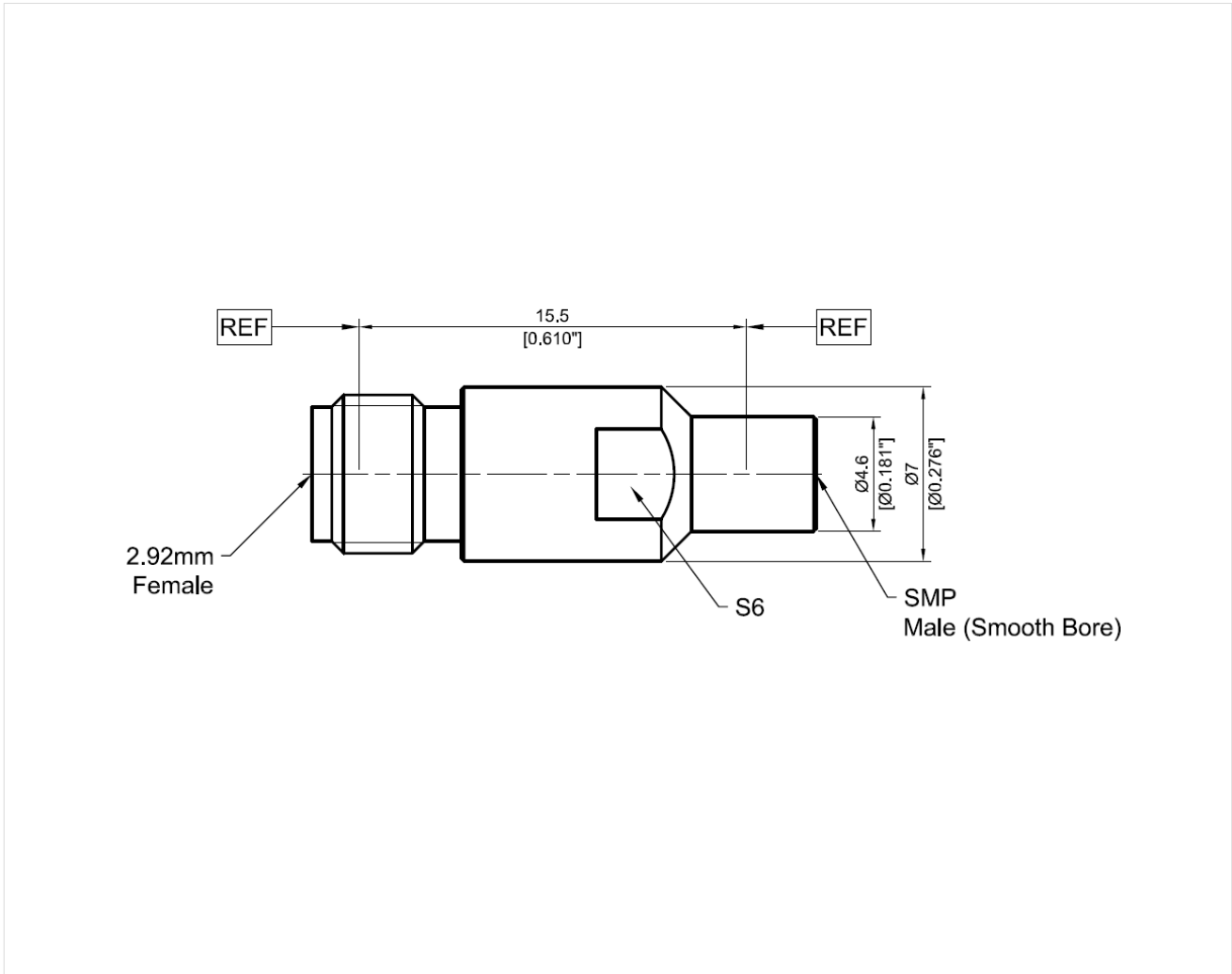
**Environmental Specifications and Test Standards**

| Parameter                      | Description   |
|--------------------------------|---|
| Operational Temperature        | -55°C~+165°C  |
| Storage Temperature            | -60°C~+185°C  |
| Thermal Shock                  | -55°C → +165°C<br>(5 Cycles / 10 hours)   |
| Random Vibration               | MIL-STD-202G<br>Table 214-I, Test Condition Letter C<br>1.5 Hours Per Axis  |
| High Temperature Burn In       | Temperature +85°C for 72 Hours  |
| Shock                          | 1. Weight >20g, 50g half sine wave for 11ms, Speed variation 3.44m/s<br>2. Weight <=20g, 100g Half sine wave for 6ms, Speed variation 3.75m/s<br>3. Total 18 times (6 directions, 3 repetitions per direction). |
| Altitude                       | Standard: 30,000 Ft (Epoxy Sealed Controlled Environment)<br>Optional: Hermetically Sealed (60,000 ft. 1.0 PSI min)   |
| Hermetically Sealed (Optional) | MIL-STD-883 (For Hermetically Sealed Units)   |

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**Outline Drawing:**

All Dimensions in mm [inches]



**Important Notice**

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