

Series of coaxial adapters with 3.5 mm connectors, operating frequency range from DC to 33 GHz, VSWR is 1.15, dielectric withstanding voltage is 1000 V.

**TYPICAL APPLICATIONS**

- Connecting different types of coaxial connectors
- Test and measurement equipment in RF or microwave engineering
- Antenna systems and RF installations
- Cable TV and satellite communication
- Telecommunications infrastructure
- Military and aerospace communication systems

**FEATURES**

- Small size
- Low VSWR

**MECHANICAL SPECIFICATIONS**

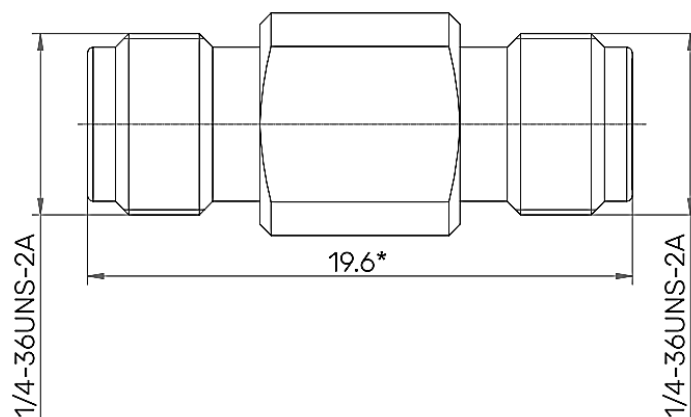
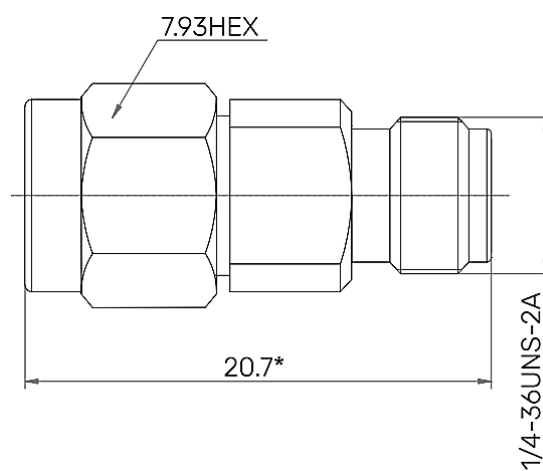
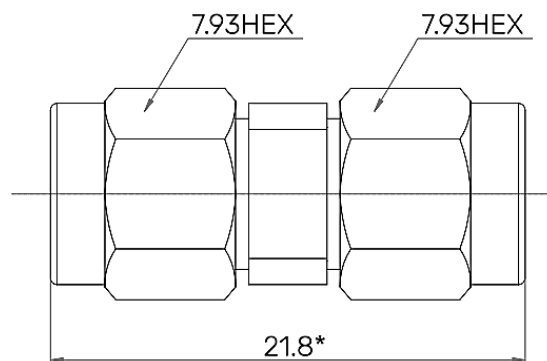
|                           |                              |
|---------------------------|------------------------------|
| Inner conductor material  | Gold-plated beryllium copper |
| Dielectric material       | PEI                          |
| Housing                   | Passivated stainless steel   |
| Coupling nuts             | Passivated stainless steel   |
| Operating temperature, °C | -20 – +60                    |
| Dimensions, mm            | Check the outline drawings   |

**ELECTRICAL SPECIFICATIONS**

|                                    |        |
|------------------------------------|--------|
| Operating frequency, GHz           | 33     |
| Dielectric withstanding voltage, V | 1000   |
| VSWR                               | ≤1.15  |
| Insulation resistance, MOhm        | 5000   |
| Insertion loss, dB                 | 0.05√f |

**NOMINAL IMPEDANCE:** 50 Ohm

**CONNECTOR TYPES:** 3.5 mm male/female;  
3.5 mm male/female


**Ordering information:**

**LBWT-AC-33-3.5X-3.5X** — specify connector genders  
(Male/Male; Male/Female; Female/Male; Female/Female)

**Notes:**

1. All outline dimensions are in mm, with a dimensional tolerance of ±5%.
2. Insertion loss is calculated as 0.05√f, where f is the frequency in GHz.