

Series of coaxial adapters with 2.4 mm and N-type connectors, operating frequency range from DC to 18 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 nut material     | Passivated stainless steel   |
| Operating temperature, °C | -20 – +60                    |
| Dimensions, mm            | Check the outline drawings   |

### ELECTRICAL SPECIFICATIONS

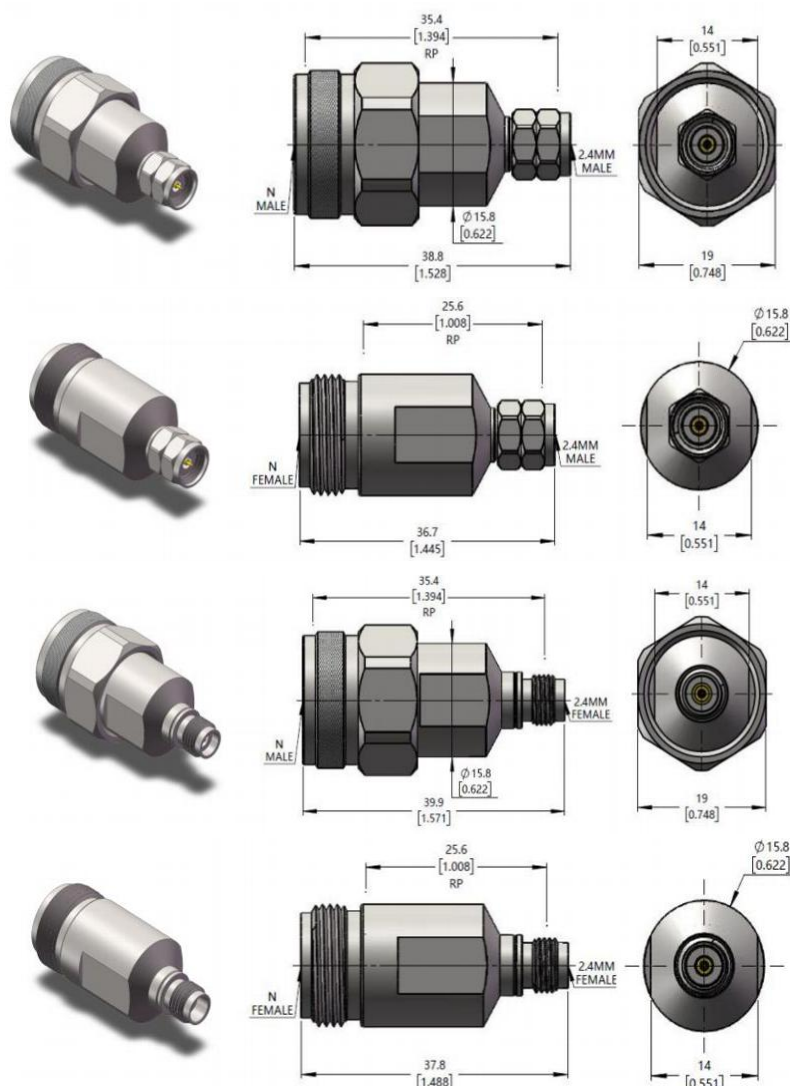
|                                    |                |
|------------------------------------|----------------|
| Operating frequency, GHz           | 18             |
| Dielectric withstanding voltage, V | 1000           |
| VSWR                               | 1.15           |
| Insulation resistance, MOhm        | 5000           |
| Insertion loss, dB                 | $0.05\sqrt{f}$ |

**NOMINAL IMPEDANCE:** 50 Ohm

**CONNECTOR TYPES:** 2.4 mm male/female;  
N male/female

### Ordering information:

**LBWT-AC-50-2.4X-NX** — specify connector genders  
(Male/Male; Male/Female; Female/Male; Female/Female)



### Notes:

1. All outline dimensions are in mm, with a dimensional tolerance of  $\pm 5\%$ .
2. Insertion loss is calculated as  $0.05\sqrt{f}$ , where  $f$  is the frequency in GHz.