

Series of coaxial adapters with NMD2.4 mm and 3.5 mm connectors, operating frequency range from DC to 33 GHz, VSWR is 1.20, 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	Passivated beryllium copper; Gold-plated beryllium copper
Dielectric material	PEI
Housing	Passivated stainless steel
Coupling nut material	Passivated stainless steel
Operating temperature, °C	-40 – +100
Dimensions, mm	Check the outline drawings

ELECTRICAL SPECIFICATIONS

Operating frequency, GHz	33
Dielectric withstanding voltage, V	1000
VSWR	1.20
Insulation resistance, MOhm	5000
Insertion loss, dB	$0.06\sqrt{f}$ (f/f); $0.05\sqrt{f}$ (f/m)

NOMINAL IMPEDANCE: 50 Ohm

CONNECTOR TYPES: **NMD2.4 mm** female;
3.5 mm male/female

Ordering information:

LBWT-AC-40-NMD2.4F-3.5X – specify connector genders
(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 $0.06\sqrt{f}$ and $0.05\sqrt{f}$, where f is the frequency in GHz.

