

ZN™ Quick-Disconnect Connectors

Equivalent to Type N through 15 GHz



MegaPhase ZN Series precision coaxial connectors and adapters are ideal for applications where there are constraints on space. The bayonet-style coupling nut is easily mated and de-mated with a quarter turn, without the need for a torque wrench. For applications such as antenna systems, this connector provides excellent mechanical stability and eliminates the need for lock wiring in high vibration environments where space is limited. In test systems, this connector provides a fast and accurate method for continuous connects and disconnects.

The connectors are “keyed” with 3- or 4- lug style. MegaPhase also offers a full line of in-series adapters through 15 GHz.

Electrical Data

Maximum Frequency: 15 GHz

Impedance: 50 Ω nominal

Maximum VSWR:

DC-8 GHz: 1.05:1

8-12.4 GHz: 1.15:1

12.4-18 GHz: 1.25:1

Max. Insertion Loss: dB = 0.05 x (FGHz)^{1/2}

Mechanical Data

Body: Passivated SST per ASTM A582

Bead: PTFE per ASTM-D-1710

Center Pin: Gold Plated Beryllium Copper per ASTM-B-196

Min Matching Cycles: 500