

PRECISION ADAPTERS

"QUICK TEST" 3.5mm (QT3.5mm™) CONNECTOR

Features

- Quick and Easy Push On/Pull Off Design
- Excellent Repeatability/Low VSWR
- Designed For Long Life
(3000 Connect/Disconnect Cycles)
- Guide Sleeve Design For
Automated Applications



8006E1
No Nut



8006E11
3/8" Nut



8006E21
9/16" Nut



8006Q1
Guide Sleeve

Description

The QT3.5mm™ male connector incorporates a quick connect design that provides for a push on/pull off capability that mates with any commercially available SMA, 3.5mm, and 2.92mm female connectors. The optional quick 1-1/2 turn twist nut creates the best of both worlds allowing quick connect or disconnect and the increased accuracy of a thread on connector. In addition to the no nut and quick turn nut design, a guide sleeve configuration is available to provide for self aligning required in automated test stations.

The push on connector offers excellent repeatability and long life making them ideal for use in a production environment. The nut can also be torqued to 8 in/lbs making them suitable for test port applications where a calibration is required. The connectors come in four configurations: no nut, a 3/8" diameter nut, a 9/16" diameter nut, and a guide sleeve configuration.

Please call your Maury representative for a demonstration.

NOTE: U. S. Patent No. 6,210,221



Electrical Specifications Chart

| Model | From | To | Frequency Range GHz | VSWR (GHz) |
|---------|--------------------------------------|--------------|---------------------|--------------------------------------|
| 8006B1 | QT3.5mm™ (m) with no nut | 7mm | DC — 18.0 | DC — 4.0, 1.04 4.0 — 18.0, 1.08 |
| 8006B11 | QT3.5mm™ (m) with 3/8" diameter nut | | | |
| 8006B21 | QT3.5mm™ (m) with 9/16" diameter nut | | | |
| 8006C1 | QT3.5mm™ (m) with no nut | NMD3.5mm (f) | DC — 26.5* | DC — 16.0, 1.08 16.0 — 26.5, 1.12 |
| 8006C11 | QT3.5mm™ (m) with 3/8" diameter nut | | | |
| 8006C21 | QT3.5mm™ (m) with 9/16" diameter nut | | | |
| 8006E1 | QT3.5mm™ (m) with no nut | 3.5mm (f) | DC — 26.5* | DC — 16.0, 1.05 16.0 — 26.5, 1.08 |
| 8006E11 | QT3.5mm™ (m) with 3/8" diameter nut | | | |
| 8006E21 | QT3.5mm™ (m) with 9/16" diameter nut | | | |
| 8006F1 | QT3.5mm™ (m) with no nut | 3.5mm (m) | DC — 26.5* | DC — 16.0, 1.05 16.0 — 26.5, 1.08 |
| 8006F11 | QT3.5mm™ (m) with 3/8" diameter nut | | | |
| 8006F21 | QT3.5mm™ (m) with 9/16" diameter nut | | | |
| 8006G1 | QT3.5mm™ (m) with no nut | N (f) | DC — 18.0 | DC — 4.0, 1.05 4.0 — 18.0, 1.08 |
| 8006G11 | QT3.5mm™ (m) with 3/8" diameter nut | | | |
| 8006G21 | QT3.5mm™ (m) with 9/16" diameter nut | | | |
| 8006H1 | QT3.5mm™ (m) with no nut | N (m) | DC — 18.0 | DC — 4.0, 1.05 4.0 — 18.0, 1.08 |
| 8006H11 | QT3.5mm™ (m) with 3/8" diameter nut | | | |
| 8006H21 | QT3.5mm™ (m) with 9/16" diameter nut | | | |
| 8006K1 | QT3.5mm™ (m) with no nut | NMD2.4mm (f) | DC — 26.5* | DC — 16.0, 1.08 16.0 — 26.5, 1.12 |
| 8006K11 | QT3.5mm™ (m) with 3/8" diameter nut | | | |
| 8006K21 | QT3.5mm™ (m) with 9/16" diameter nut | | | |
| 8006Q1 | QT3.5mm™ (m) guide sleeve | 3.5mm (f) | DC — 26.5* | DC — 16.0, 1.05 16.0 — 26.5, 1.08 |

* Slightly reduced VSWR specs to 34 GHz.

Repeatability Specifications Chart

| Repeatability ¹ | DC — 18 GHz | 18 — 26.5 GHz |
|----------------------------|--------------|---------------|
| | Push on mode | > 45 dB |
| Torque mode | > 50 dB | > 50 dB |
| Hand Torque | > 50 dB | > 50 dB |

¹ Repeatability specifications are for a minimum of 3000 connect/disconnect cycles.