

Quick Test Adapters

DATA SHEET / 2B-060



Quick Test Adapters

8006 SERIES (U.S. PATENT NO. 6,210,221) 7906 SERIES (U.S. PATENT NO. 8,827,743)

Description

The male connector incorporates a quick connect design that provides for a push-on/pull-off capability that mates with any commercially available 2.4mm and 3.5mm connectors. The optional quick 1-1/2 turn twist nut combines the best of both worlds allowing quick connect or disconnect with the increased accuracy of a thread-on connector. In addition to the no nut and quick turn nut designs, a guide sleeve configuration is available to provide a self-aligning capability required in automated test stations.

The push-on connector offers excellent repeatability and long life making these adapters 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.

Features

- > Quick, Easy Push-On/Pull-Off Design
- > Designed for Durability and Long Life (3,000 Connect/Disconnect Cycles)
- > Excellent Repeatability/Low VSWR
- > Guide Sleeve Design for Automated applications



8006E1 No Nut 8006E11 3/8" Nut 8006E21 9/16" Nut 8006Q1 Guide Sleeve 7906E1 No Nut 7906E11 3/8" Nut 7906E21 9/16" Nut 7906Q1 Guide Sleeve

Repeatability*

MODE	
Push-On	> 40 dB
Torqued to 8 in. lbs	> 50 dB
Hand Torqued	> 50 dB

*Repeatability is based on a minimum of 3,000 connect/disconnect cycles.

Available Models

MODEL	ADAPTS		FREQUENCY RANGE (GHz)	MAXIMUM VSWR (GHz)
	SIDE A	SIDE B		
8006E1 8006E11 8006E21 8006Q1	QT3.5mm™ (m) with no nut QT3.5mm™ (m) with 3/8" diameter nut QT3.5mm™ (m) with 9/16" diameter nut QT3.5mm™ (m) guide sleeve	3.5mm (f)	DC — 26.5 ¹	DC — 16.0 ≤ 1.05 16.0 — 26.5 ≤ 1.08 26.5 — 34.0 ≤ 1.12
7906E1 7906E11 7906E21 7906Q1	QT2.4mm™ (m) with no nut QT2.4mm™ (m) with 3/8" diameter nut QT2.4mm™ (m) with 9/16" diameter nut QT2.4mm™ (m) guide sleeve	2.4mm (f)	DC — 50	DC — 26.5 ≤ 1.08 26.5 — 40 ≤ 1.12 40 — 50 ≤ 1.15

¹ Slightly reduced VSWR specifications to 34 GHz.

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