

# PRECISION CALIBRATION KIT

## COAXIAL — PRECISION TNC NETWORK ANALYZER — AGILENT 8753

### Description

The 8650P calibration kit is designed for calibrating the Agilent 8753<sup>1</sup> vector network analyzer for measurements utilizing TNC connectors from DC to 6 GHz. This kit is provided with all required calibration hardware as listed below and is supplied in a wooden instrument case. Operating instructions are provided with the calibration kit constants so they can be keyed in through the front panel.

- a) 1 each — Precision fixed termination, female, DC to 6 GHz, model 332A3
- b) 1 each — Precision fixed termination, male, DC to 6 GHz, model 332B3
- c) 1 each — Fixed short, female, model 8615A
- d) 1 each — Fixed short, male, model 8615B
- e) 2 each — Adapter, 7mm to TNC female, model 2622A1<sup>2</sup>
- f) 2 each — Adapter, 7mm to TNC male, model 2622B<sup>2</sup>
- g) 1 each — Open circuit, TNC female, model 8609B
- h) 1 each — Open circuit, TNC male, model 8610B
- i) 1 each — Instrument case
- j) 1 each — Operating instructions

### Connector Description

The TNC connectors (MPC/TNC) supplied in this kit are precision stainless steel that mate with MIL-C-39012 and MIL-T-81490 connectors. They are low VSWR connectors rated from DC to 18 GHz. For interface specifications for these connectors, please refer to Maury data sheet 5E-053.



Model 8650P

### Options

**Option 16:** Provided with 8650S16 is a 3-1/2 data disk for the Agilent 8753 series; this is a convenient and reliable method of entering the calibration kit constants.

**NOTE:** An Agilent 9122C, single or dual, external disk drive is also required for the 8753C.

**Option 26:** Same as option 16 except the 7mm to TNC adapters are replaced with type N female to TNC adapters — models 8817A and 8817B.

### Accessories and Available Complementary Equipment

**Connector Gage:** Model A012B

**Adapters:** The following adapters are also available:

- a) Model 232A11, TNC in-series adapter female to female
- b) Model 232B11, TNC in-series adapter male to male
- c) Model 232C11, TNC in-series adapter female to male

**Torque Wrench:** Model 2698G1  
(.562 hex, 12 in. lbs.)

