



# 85044A Transmission/Reflection Test Set, 50 Ohm, 300 kHz to 3 GHz

## Data Sheet

### Product Specifications

**Frequency Range:** 300 kHz to 3 GHz

**Impedance:** 50 ohms

**Directivity:**<sup>1</sup> 35 dB to 1.3 GHz  
30 dB to 3 GHz

#### Typical Tracking

Transmission Magnitude, Phase<sup>1&3</sup>

0.3 MHz to 2 MHz:  $\pm 1.5$  dB,  $\pm 10$  degrees

2 MHz to Fmax:  $\pm 1.5$  dB,  $\pm 10$  degrees

Reflection Magnitude, Phase<sup>1&2&3</sup>

0.3 MHz to 2 MHz:  $\pm 1.5$  dB,  $\pm 25$  degrees

2 MHz to Fmax:  $\pm 1.5$  dB,  $\pm 10$  degrees

Effective Source Match<sup>2&3</sup> (test ports)

0.3 MHz to 2 MHz: 14 dB

2 MHz to 1.3 GHz: 20 dB

1.3 GHz to Fmax: 16 dB

#### RF Connectors

Test Port: Precision 7 mm

All Others: 50 ohm Type-N (f)

#### Physical Characteristics

Size: 191 mm W x 62 mm H x 204 mm D

(7.5 in x 2.44 in x 8.0 in)

Net Weight: 1.7 kg (3.8 lb)

Shipping Weight: 2.0 kg (4.4 lb)

<sup>1</sup>Degrees, specified as deviation from linear phase

<sup>2</sup>Fmax is the upper frequency limit of the associated test set

<sup>3</sup>Can be improved through accuracy enhancement

