

R3961B/R3961BN S-Parameter Test Set

The R3961B/R3961BN S-Parameter test set is connected to the R3762AH network analyzer to measure the transmission/reflection characteristics for frequencies of 300 kHz to 3.6 GHz (for R3961B) and 300 kHz to 2 GHz (for R3961BN).

The R3961B/R3961BN contain the devices necessary for measurement, such as the SWR bridge, power splitter, and switches. They can measure all S-Parameters of S11, S12, S21, and S22, without having to disconnect the device-under-test.

Frequency Range

R3961B: 300 kHz to 3.6 GHz / R3961BN: 300 kHz to 2 GHz

Test Port Impedance

R3961B: 50 Ohms / R3961BN: 75 Ohms

Coaxial switch reproducibility - ± 0.03 dB (at the tenth changeover).

FREQUENCY CHARACTERISTICS

Transmission Amplitude

R3961B: 1.5 dB p-p typical / R3961BN: 3 dB p-p typical

Transmission Phase

R3961B: 10° p-p typical / R3961BN: 20° p-p typical

Reflection Amplitude

R3961 B: 1.5 dB p-p typical / R3961BN: 3 dB p-p typical

Reflection Phase

R3961B: 10° p-p typical / R3961BN: 3° p-p typical

Insertion Loss

RF IN to PORT 1 or 2:

R3961 B: 6 dB typical / R3961BN: 12 dB typical

RF IN to OUTPUT R:

R3961 B: 21 dB typical / R3961BN: 21 dB typical

RF IN to OUTPUT A & B:

R3961 B: 22 dB typical / R3961BN: 34 dB typical

PHYSICAL CHARACTERISTICS

Dimensions (approx.) mm / inches

Height 132 / 5.2

Width 424 / 16.7

Depth 450 / 17.7

Weight kg / lb

8 / 17.6