



16043A/B 3-Terminal SMD Test Fixture

Data Sheet

- Measurement Instruments: 4194A, 4263B, 4278A, 4284A, 4285A, 4294A
 - Frequency: DC to 110MHz
 - Operating Temperature: 0 to 70°C
 - Terminal Connection: 4 terminal-pair, BNC
 - DUT Connection: 3 terminal (including the guard terminal)
 - Dimensions (approx.): 75 (W) x 105 (H) x 95 (D) [mm]
 - Weight (approx.): 500g (16043A) 330g (16043B)
 - Additional Error:
 - Type of Error/ Impedance
 - Proportional Error/ $0.4 + 7.2 \times (f/100)^2$ [%]
 - Open Repeatability/ $10 + 600 \times (f/10)$ [nS]
 - Short Repeatability/ $30 + 6 \times (f/10)$ [mW]
- Guard Terminal Residual L: <6nH
Guard Terminal Residual R: <20mW

The additional error shown above is the characteristics of when the DUT connection is 2-terminal. Ideally, in a 3-terminal DUT connection, the guard effect should be taken into account in the measurement accuracy. To acknowledge the guard terminal's effect, a characteristics equation is provided in the operation manual.