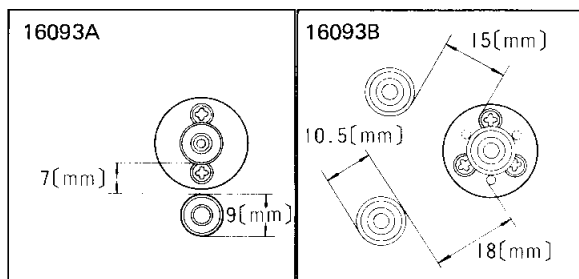


DUT CONNECTION
- WITH 16093A/B

The 16093A/B Binding Post Test Fixtures are suited for the measurement of relatively large size, axial and radial lead components or devices which do not fit the 16091A or 16092A. The 16093A is provided with two small binding post measurement terminals set at 7 mm intervals on the terminal deck. These short post terminals afford the advantage of low stray capacitance with low stray conductance and, therefore, offer a broad, useable frequency operating range (up to 250 MHz). The 16093B employs a common type three binding post terminal arrangement which includes an extra guard post terminal. The measurement terminal interval is 15 mm (the terminal configuration is same as that of the current HP Q meter). The 16093B is suitable for the measurement of relatively high value capacitors, high value inductors and resistor samples at frequencies below 125 MHz.

Terminal Structures

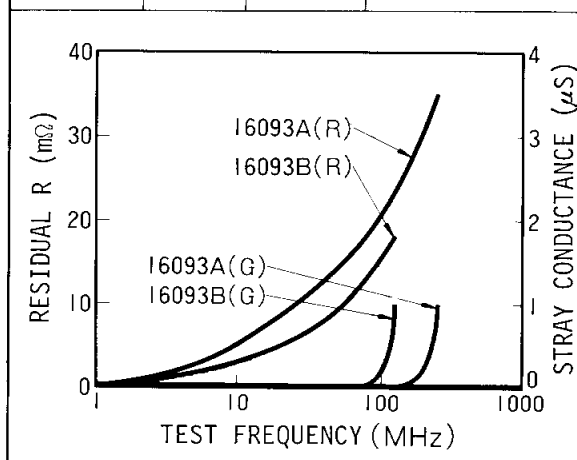


Installation and DUT connection procedure:

- 1) Rotate the 4191A UNKNOWN connector coupling nut counter-clockwise until the coupling sleeve screw is at its innermost free position.
- 2) Couple the connector coupling screw on the underside of the 16093A (or 16093B) test fixture deck to the 4191A UNKNOWN connector, and set the test fixture mounting posts of the 4191A into the twin holes at the corners of the deck.
- 3) Rotate the UNKNOWN connector coupling nut counter-clockwise until it is firm.
- 4) Loosen binding post terminal nut and connect sample leads. Tighten the nut. For samples with banana plugs, plug the banana plugs into the binding post terminal holes.

Model 16093A/B Residual Parameters

| | Stray C | Residual L | Residual R | Stray G |
|--------|---------|------------|-----------------|---------|
| 16093A | 1.8 pF | 1.8 nH | See graph below | |
| 16093B | 5.5 pF | 1.4 nH | | |



Notes:

1. Set electrical length input data to 0.34 cm (identical for both 16093A and 16093B).
2. A special, skirted, grounding terminator furnished with both the 16093A and B provides an optimum shorting configuration for test fixture terminals. For the use of these terminators, refer to paragraph 3-37.

Figure 3-6. DUT Connection (Sheet 5 of 7).