

Keysight Technologies 11612BK01

Product Note

The Keysight 11612BK01 is a 50 GHz Bias Tee with high bias current (2 amps max) capability. This Bias Module has 2.4 mm female connectors on the RF Input and RF + DC Output connectors. The start frequency is 400 MHz due to the effects of the changes to the bias coil windings that are needed for 2 amp operation.

Performance parameters (subject to change) are typical over a temperature range of 20 to 30 °C.

- Frequency Range: 400 MHz to 50 GHz
- Maximum Bias Current: 2 Amps
- Maximum Bias Voltage: 100 Vdc
- Maximum RF Power: +24 dBm
- Connectors: 2.4 mm female

Typical Return Loss

- 0.4 – 1 GHz -12 dB
- 1 – 10 GHz -18 dB
- 10 – 18 GHz -15 dB
- 18 – 26.5 GHz -12 dB
- 26.5 – 50 GHz -9 dB*

* The effects of max current and max voltage being applied continuously have not been measured or characterized.

Typical Insertion Loss

- 0.4 – 12.4 GHz -1.0 dB
- 12.4 – 26.5 GHz -1.5 dB
- 25.5 – 50 GHz -3.2 dB

For information concerning the operation and connections, reference the standard Keysight 11612B documentation. In all other respects this instrument is identical to the standard instrument specifications.

Inspect the shipment. Keep the shipping container and packaging material until you have inspected the contents of the shipment for completeness and have verified the instrument mechanically and electrically. If there is physical damage refer to “Contacting Keysight” below. Keep the damaged shipping materials (if any) for inspection by the carrier and a Keysight Technologies representative.

Contacting Keysight

Assistance with test and measurement needs, and information on finding a local Keysight office are available on the Internet at:

<http://www.keysight.com/find/assist>

You can also purchase accessories or documentation items on the Internet at:

<http://www.keysight.com/find>

If you do not have access to the Internet, contact your field engineer.

NOTE

In any correspondence or telephone conversation, refer to the product by its model number and full serial number. With this information, the Keysight representative can determine the warranty status of your unit.

