81000BI, 81000BC 81000BT, 81004BH, 81009BH Bare Fiber Connectivity Solutions

Key Applications and Key Needs

Test and verification of fiber based active and passive optical components for PON, CWDM / DWDM and datacom networks

- Optical splitters
- Optical MUX / DMUX
- Optical Amplifiers

Value Proposition

The new bare fiber connectivity solutions cuts recurring measurement setup times in R&D and manufacturing environment by using the same bare fiber instrument adapter and provide highest measurement reliability by removing manual and environmental influences.

Features

- Low optical signal influence: PDL < 0.015 dB

- High repeatability on connection: < 0.005 dB

- Light weighted (7 gram), easy to handle, quick connection

- Reusability (1000 times), fits on existing 8162x series, 8152x series, 81630B, 81637B and 81634B

- Process optimization with DIAMOND's Fiber Handling Tools – see www.diamond-fo.com/frameset.asp

Benefits

- Highest accuracy on optical meas.
  ➔ improve development cycles of new products

- Highest confidence on component tests
  ➔ increased production yield

- Bare fiber holder remains during complete production process
  ➔ higher throughput, higher yield

- Compatibility to existing Agilent optical sensors
  ➔ saves customers investment costs

- Process scalability by additional tools
  ➔ optimization of production costs

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Ordering Information and Useful Links

Key Specifications:

IL < 0.005 dB typ.
PDL < 0.015 dB typ
(analyzed in test cycles with
disconnecting of the
Fiber Holder and completely
removing of the fiber and reinsertion)

Product Information:

Internet: www.agilent.com/comms/octaccessories

Intranet: http://pmd.business.agilent.com/products/accessories/index.htm

Configuration Guides: http://cp.literature.agilent.com/litweb/pdf/5988-1571EN.pdf

User's Guide: http://cp.literature.agilent.com/litweb/pdf/5989-2853EN.pdf

Ordering Information:

81000BC: Bare Fiber Connectivity Set for 81623B, 81624B and
            81626B
            (1x head adapter, 1x <400µm holder, 1x 400..900µm holder,
            1x gauge)

81000BT: Bare Fiber Connectivity Set for 8162x and 8152x Series
            (threaded interface)
            (1x head adapter, 1x <400µm holder, 1x 400..900µm holder,
            1x gauge)

81000BI: Bare Fiber Connectivity Set for 81630B and 81634B
            (1x sensor adapter, 1x <400µm holder, 1x 400..900µm holder,
            1x gauge)

81004BH: Bare Fiber Holder Set
            (10x <400µm holder)

81009BH: Bare Fiber Holder Set
            (10x <400..900µm holder)

General Information:

Internet: www.agilent.com/comms/lightwave

Intranet: http://pmd.business.agilent.com

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Internet / Intranet