

OPTICAL TEST ACCESS CIRCUIT

FTB-9106

NETWORK TESTING—OPTICAL

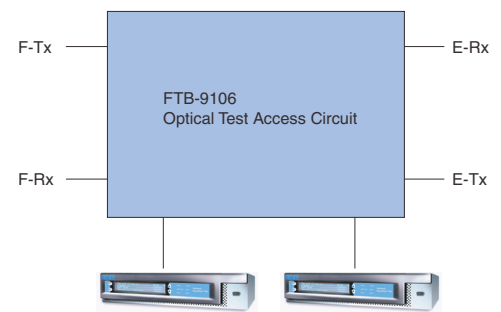


- Non-blocking configuration
- Independent of transmission speed
- Bypass feature in case of power failure or system reboots
- Ideal for remote testing of optical circuits

The FTB-9106 Optical Test Access Circuit is one of the building blocks of the Optical Test Access System (OTAS). This system has been designed by EXFO to offer service providers and network element manufacturers a flexible and cost-efficient solution for the remote testing of optical circuits.

Test Modes

The FTB-9106 Optical Test Access Circuit is a module allowing the network manager to connect optical circuits in the following modes: In-line monitoring, Intrusive, Drop & Insert.



SPECIFICATIONS

Insertion loss ^a (dB):		
E-Rx to F-Tx and F-Rx to E-Tx (In-line mode)		4.0
E-Rx to T2-Rx and F-Rx to T1-Rx (In-line mode)		6.6
E-Rx to T2-Rx and F-Rx to T1-Rx (Intrusive mode)		2.2
T2-Tx to E-Tx and T1-Tx to F-Tx (Intrusive mode)		2.0
Return loss ^b (dB)		50 typ.
Repeatability ^c (dB)		± 0.05
Wavelength range (nm)		1290 to 1330 and 1530 to 1570
Crosstalk (dB)		-70
Polarization-dependent loss (dB)		± 0.15
Maximum input power (dBm)		23
Switching time (ms)		250

GENERAL SPECIFICATIONS

Size (H x W x D)	96 mm x 51 mm x 260 mm	(3 3/4 in x 2 in x 10 1/4 in)
Weight	0.98 kg	(2.15 lb)
Temperature		
operating	0 °C to 50 °C	(32 °F to 122 °F)
storage	-40 °C to 70 °C	(-40 °F to 158 °F)
Relative humidity	93 % non-condensing at 40 °C	
Switch life	10 million cycles (minimum)	

Instrument Drivers

SCPI commands

Remote Control

RS-232C

Standard Accessories

User Guide, Certificate of Compliance and Test Report

NOTES

- At 1310 nm and 1550 nm, 23 °C ± 2 °C, with connectors that have a loss of less than 0.2 dB.
- At 1310 nm and 1550 nm, 23 °C ± 2 °C, with APC connectors.
- At 23 °C ± 2 °C, for 100 cycles.

ORDERING INFORMATION

FTB-9106-01-02-B-XXX

Fibre Code ■

B = 9/125 µm singlemode

Connector Code ■

88D = Dual SC/APC

91D = Dual SC/UPC

Example: FTB-9106-01-02-B-88D

Find out more about EXFO's extensive line of high-performance portable instruments by visiting our website at www.EXFO.com.

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EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. All of EXFO's manufactured products are compliant with the European Union's WEEE directive. For more information, please visit www.EXFO.com/recycle. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices. Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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