

# Optical Test Access Circuit

FTB-9106



Non-blocking configuration

Independent of transmission speed

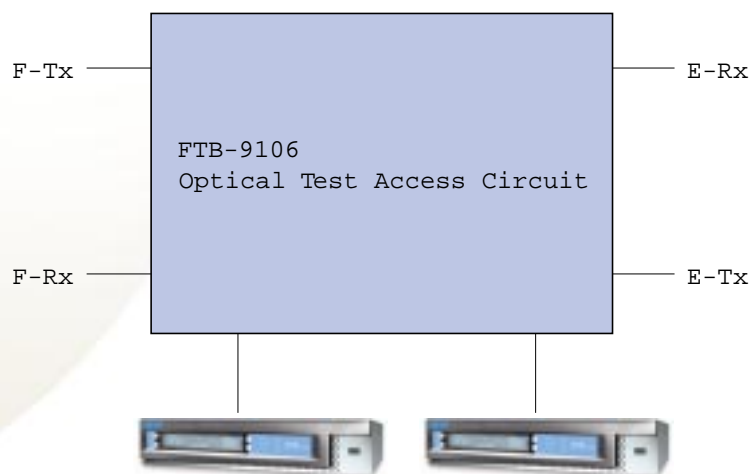
Bypass feature in case of power failure or system reboots

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.



Fiber-optic T&M,  
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## Specifications

Insertion loss <sup>1</sup> (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 <sup>2</sup> (dB)	50 typ.
Repeatability <sup>3</sup> (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)	9.6 cm x 5.1 cm x 26.0 cm	(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

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

## Ordering Information

**FTB-9106-01-02-B-XXX**

Fiber Code

B: 9/125 µm singlemode

Connector Code

88D: Dual SC/APC

91D: Dual SC/UPC

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**Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.**

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