SFT-TAP
Test Access Point splitter

Description:

The OPTOKON **SFT-TAP** splitter is designed for optical network monitoring during operation. According to the operatotor request it allows bi-directional or uni-directional monitoring of optical fiber in full CWDM wavelength range. The splitting ratio of TAP port can be customized in 1% – 50% rate. Wide range of the packaging types allows easy implementation into optical network which would be monitored. The **SFT-TAP** splitter can be installed directly into the system of optical distribution frames or delivered separately in boxes according to the operator demand.

Features:

- Passive access to fiber optic network
- Protocol and transmission speed independent
- High port isolation
- Custom defined specifications
- Environmentally stable
- Wavelength independent - full CWDM spectrum
- Up to 16 TAP modules in 1U rack mount cconfiguration

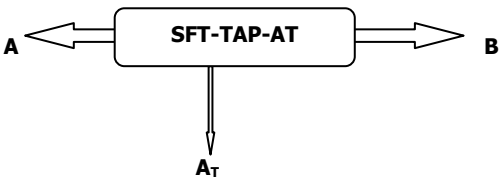
TAP splitter

Technical specifications:

ITEM	Test Access Point splitter
Operating Wavelength, nm	1270 – 1630 (CWDM wavelength range)
Thermal Stability, dB (peak-peak)	< 0.2
PDL, dB	< 0.15, PDL free (< 0.05) – on request
Port Configuration	2 x 2 or 2 x 1
Coupling Ratio	1:99 to 10:90, (on request other)
Insertion Loss[1)], dB	Refer to the coupling ratio vs. Insertion loss chart
Directivity, dB	> 50
Return Loss, dB	> 50
Operating Temperature[2)], °C	-40 to +85
Storage Temperature[2)], °C	-50 to +85
WARNING	This product should never be installed in an optical network handling above Class I emissions

Note: 1) Without connectors
2) Conditioned by the cable type

Block diagram:



Coupling Ratio vs. Insertion Loss: AT	
Coupling Ratio (%)	**Insertion Loss (dB)**
1 /99	24.3 / 0.2
10 / 90	12.0 / 0.7
30 / 70	6.2 / 1.9
50 / 50	3.6

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OPTOKON, a.s. Cerveny Kriz 250, 586 02 Jihlava, Czech Republic
tel. +420 564 040 111, WWW.OPTOKON.COM, INFO@OPTOKON.CZ

Ordering code:

SFT - TAP - XXXX - XX - XXX - NC

Type	Wavelength
TAP[1)]	1270 - 1630 nm

TAP ports
AT
D duplex AT

Coupling ratio	
01	1/99
10	10/90
30	30/70
50	50/50
Other[2)]	

No input and output connectors[3)]
Connector type - according to CON_14-01
(Jumper Ordering Code)

Package option I

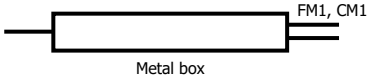
FM1	Fiber type, metal box 100x15x9 mm
CM1	Cable type, metal box 100x15x9 mm
FM3	Fiber type, metal box 100x80x10, stackable
CM3	Cable type, metal box 100x80x10, stackable

Package option II

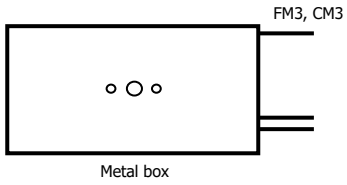
XXX :	Part number of relevant ODF (e.g. **MCNP**, **TMVJ**, **ZMPJ**)
CAPM	OPTOKON cassette
MPIC	Wall mount MPIC unit

Note:
1) ±0.3 dB typ. tolerance A↔B
(1370, 1390, 1410 nm IL increased for 0.2-0.3 dB)
2) Optional according to requirements
3) Standard fiber/cable length = 1 m

Packaging variants:

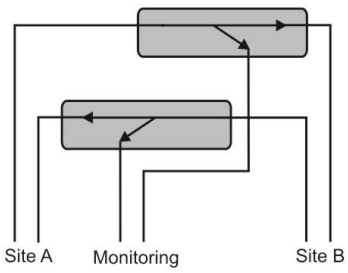


SFT-TAP-AT-10-CM1-NC

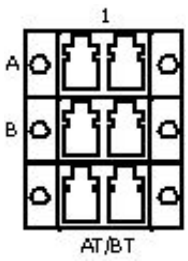


SFT-TAP-D-10-CAPM-ULCD

TAP-D configuration:



Internal connection



Front panel marking

SFT-6xTAP-D-30-ZMPJ-NLC

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