

SFT-TAP

Test Access Point splitter

Description:

The OPTOKON **SFT-TAP** splitter is designed for optical network monitoring during operation. According to the operator 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 configuration



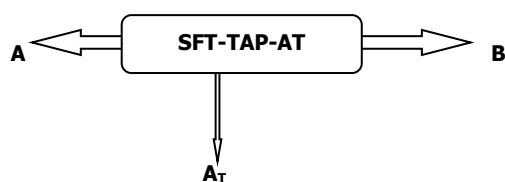
TAP splitter

Technical specifications:

ITEM	Test Access Point splitter
Operating Wavelength, nm	1270 – 1630 (except 1350 – 1410)
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	-10 to +70
Storage Temperature ²⁾ , °C	-40 to +85
Fiber type	G.652.D

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

Block diagram:

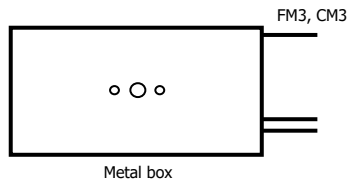
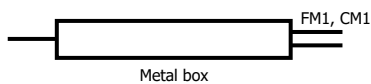


Coupling Ratio vs. Insertion Loss: AT	
Coupling Ratio (%)	Insertion Loss (dB)
1 / 99	24.3 / 0.2
10 / 90	12.0 / 0.7

Ordering code:

SFT		TAP	XXXX	XX	XXX	NC
Type TAP ¹⁾	Wavelength 1270 - 1630 nm	TAP ports AT D duplex AT				No input and output connectors ³⁾ Connector type - according to CON_14-01 (Jumper Ordering Code)
Note: 1) ± 0.3 dB typ. tolerance $A \leftrightarrow B$ (1370, 1390, 1410 nm IL increased for 0.2-0.3 dB) 2) Optional according to requirements 3) Standard fiber/cable length = 1 m		Coupling ratio 01 1/99 10 10/90 30 30/70 50 50/50 Other ²⁾		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		

Packaging variants:



TAP-D configuration:

