

TAM Series



Optical Tap Module

The Optilab TAM Series optical tap module is fabricated using low loss fused coupler technology, and features dual-wavelength window operation, covering 1310 nm to 1610 nm wavelength ranges. Using proprietary design, the fiber enters and exits from one side of the module to allow easy installation. The cost-effective, versatile, and compact TAM Series features ruggedized housing designed for operation in broad temperature ranges from -45°C to $+80^{\circ}\text{C}$, making it an ideal solution for RFOG applications. Contact Optilab for more information.

Features

- Designed for outdoors
- -45°C to $+80^{\circ}\text{C}$ temperature range
- Robust and extremely reliable
- Compact
- 4 window operation 1310 nm to 1610 nm
- **3 year warranty standard**

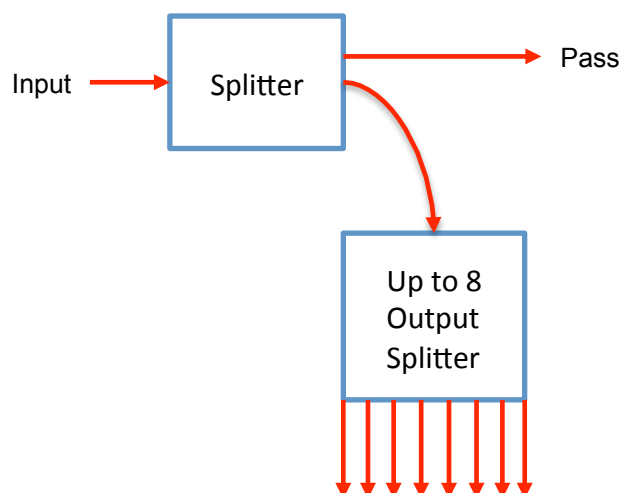
Applications

- RFOG
- HFC
- PON
- For RUS/USDA projects
- Deep Fiber Applications



This Optilab product meets Buy American and is RUS accepted

Functional Diagram



Fiber Optic Tap Module | TAM Series

OPTIONS

TAM-x-y-z

- x Number of Output:
2, 4, 8
- Through Port/ Tap Port
Power Ratio
9505: 95/05
- y 9010: 90/10
8020: 80/20
7030: 70/30
5050: 50/50
- Connector:
z BK, blank with connector
NC, no connector

TECHNICAL INFO

For technical info and support:

sales@optilab.com

www.optilab.com

PHONE

Contact Optilab at:

1-888-553-3888 (toll-free)
1-602-343-1496 (direct, int'l)

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Optical Specifications	
Operating Wavelength Range	1310 nm ± 40 nm / 1610 nm ± 15 nm
Directivity (port to port isolation)	55 dB min.
Though Port to Tap Output Ports Isolation	55 dB min.
Return loss from Input Port to Though Port (no connectors)	60 dB min.
Return loss from input to Tap Output Ports (with SC/APC connectors)	50 dB min.
Through Port Insertion Loss	Contact for TAM Configuration Table
Tap Port Output Insertion Loss	Contact for TAM Configuration Table
Worst Case Loss	Contact for TAM Configuration Table
Mechanical Specifications	
Operation Temperature Range	-45°C to +80°C
Optical Fiber Type	Corning SMF-28 with 900um loose tube
Input Port /Through Port Connector	None, Bare Fiber
Tap Output Port Connectors	SC/APC for connectorized type Bare Fiber for non-connectorized type
Input Port /Through Port Fiber Length	Contact for Tap Module Diagram
Tap Output Port Fiber Length	Contact for Tap Module Diagram
Qualification/Reliability	
Fiber Couplers & Module Assembly	Telcordia GR-1221-CORE
SC/APC Connectors and Jumper Assemblies	Telcordia GR-326-CORE