

PASSIVE FIBER TAPS

PROVIDING NETWORK VISIBILITY FOR DIAGNOSTICS AND MAINTENANCE FOR THE **SMART DATA CENTER.**



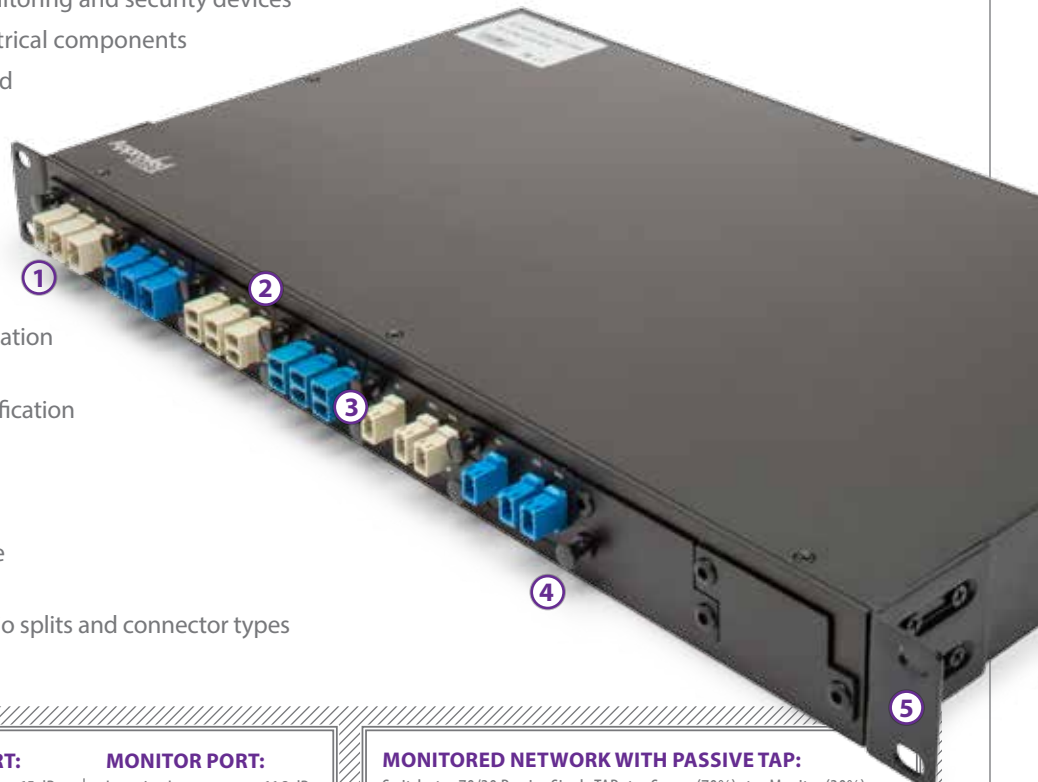
Approved passive fiber taps offer a simple solution for getting data from your optical network into your monitoring and security tools. This provides easy and transparent diagnostics and maintenance of your network without affecting network operations. Passive taps are inserted between network devices which allows network traffic to be split into duplicate signals without any disruption to network activity providing the most accurate real-time and proactive monitoring and analysis.

BENEFITS

- Provides a simple, cost effective way to monitor optical networks
- Compatible with all major manufacturers' monitoring and security devices
- Requires no power to operate and has no electrical components
- Modular design with little configuration needed
- Highly reliable and requires no maintenance
- Fits standard 19" 1U rack
- Multiple split ratios available

FEATURES

1. **COLOR CODED MODE IDENTIFICATION**
Visual single-mode vs multi-mode identification
2. **EASY IDENTIFIABLE SPLIT RATIOS**
Printed individually on front for easy identification
3. **SUPPORTS MULTIPLE DATA RATES**
1G/10G/40G/100G LC and SC supported
4. **NO-TOOL LOCKING SYSTEM**
Simple push/pull system locks taps in place
5. **MIX-N-MATCH VERSATILITY**
19" 1U rack can accommodate multiple ratio splits and connector types



TECHNICAL SPECIFICATIONS

SINGLE MODE - SPLIT RATIO:

90/10	90% Network	10% Monitor
80/10	80% Network	20% Monitor
70/30	70% Network	30% Monitor

MULTI MODE - SPLIT RATIO:

70/30	70% Network	30% Monitor
50/50	50% Network	50% Monitor

NETWORK PORT:

Insertion Loss	≤ .65 dB
Insertion Loss	≤ 1.2 dB
Insertion Loss	≤ 1.9 dB

MULTI MODE - SPLIT RATIO:

Insertion Loss	≤ 2.1 dB
Insertion Loss	≤ 3.8 dB

MONITOR PORT:

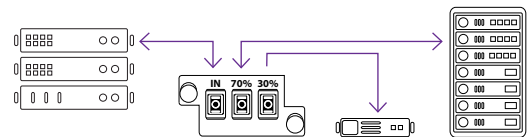
Insertion Loss	≤ 11.3 dB
Insertion Loss	≤ 7.9 dB
Insertion Loss	≤ 6.0 dB

MULTI MODE - SPLIT RATIO:

Insertion Loss	≤ 6.3 dB
Insertion Loss	≤ 3.8 dB

MONITORED NETWORK WITH PASSIVE TAP:

Switch -to- 70/30 Passive Single TAP -to- Server (70%) -to- Monitor (30%)



ENVIRONMENT:

Acceptable temperature ranges:
Operating Temperature: -40°C to 85°C
Storage Temperature: -55°C to 85°C

MECHANICAL - HOUSING

Physical dimensions for TAP housing:
1.625" x 9.875" x 19" - without TAPs
1.625" x 10.5" x 19" - with TAPs

MECHANICAL - SC MODELS:

TAPs with SC connectors dimensions:
1.125" high x 4.5" deep x 1.625" wide
Polish Type: UPC Input connectors: LC SM, LC MM

MECHANICAL - LC MODELS:

TAPs with LC connectors dimensions:
1.125" high x 4.375" deep x 1.625" wide
Polish Type: UPC Input connectors: LC SM, LC MM

SUPPORT

Approved's fiber tap products carry a serviceable Lifetime Warranty of 5 years from the date of purchase from Approved or an authorized Approved Networks distributor. Toll-free technical support is available by calling **800.590.9535** or by email at: **support@approvedoptics.com**.

ORDERING INFORMATION:

SINGLE TAP - SC CONNECTORS



Split Ratio	Mode/Media	Wavelengths	Speed	Part #
90/10	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	SSCSM91
80/20	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	SSCSM82
70/30	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	SSCSM73
70/30	Multi Mode OM4 (50/125 micron)	850nm	Up to 40G	SSCMM73
50/50	Multi Mode OM4 (50/125 micron)	850nm	Up to 40G	SSCMM55

DOUBLE TAP - SC CONNECTORS



Split Ratio	Mode/Media	Wavelengths	Speed	Part #
90/10	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	DSCSM91
80/20	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	DSCSM82
70/30	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	DSCSM73
70/30	Multi Mode OM4 (50/125 micron)	850nm	Up to 40G	DSCMM73
50/50	Multi Mode OM4 (50/125 micron)	850nm	Up to 40G	DSCMM55

SINGLE TAP - LC CONNECTORS



Split Ratio	Mode/Media	Wavelengths	Speed	Part #
90/10	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	SLCSM91
80/20	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	SLCSM82
70/30	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	SLCSM73
70/30	Multi Mode OM4 (50/125 micron)	850nm	Up to 40G	SLCMM73
50/50	Multi Mode OM4 (50/125 micron)	850nm	Up to 40G	SLCMM55

DOUBLE TAP - LC CONNECTORS



Split Ratio	Mode/Media	Wavelengths	Speed	Part #
90/10	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	DLCSM91
80/20	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	DLCSM82
70/30	Single Mode OS2 (9/125 micron)	1310/1550 - CWDM/DWDM	Up to 100G	DLCSM73
70/30	Multi Mode OM4 (50/125 micron)	850nm	Up to 40G	DLCMM73
50/50	Multi Mode OM4 (50/125 micron)	850nm	Up to 40G	DLCMM55

TAP RACK HOUSINGS & BLANKS







Part Description	Tap Ports	Part #
1U, 19" Fiber Tap Rack Panel	8	FT-1U19-8

Part Description	Includes	Part #
Port blank and mounting snaps	1 blank cap, 2 snaps	FT-BLANK



Approved Optics offers a full line of optical transceivers, cables, DACs (available in passive, active twinax and active optical), media converters and cable management systems.

Approved
NETWORKS
for the smart data center

 800.590.9535
 310.341.2599
 approvedoptics.com
 sales@approvedoptics.com