T-3xxx CWDM TO DWDM EXPANSION MUX/DEMUX SERIES
100GHz, 8+8 channel, 10 channel and DWDM over cwdm multiplexers

PRODUCT FEATURES
- CWDM investment preserved
- Up to 80 DWDM channels overlaid on an existing CWDM network
- 1U Low profile modular design
- Passive, no electric power required. (MTBF ca. 500 years)

OVERVIEW
Smartoptics T-3xxx series allow existing CWDM networks to be expanded further without having to disrupt or replace the existing network. The T-380x modules are 8+8 channel that add up to 16 channels in to the 1550 port of a CWDM system. The T-3810 is a 10 channel port that adds up to 10 channels in to the 1530nm port of a CWDM system. When used altogether, up to 26 additional channels can be added to an existing CWDM network. The T-3038 bandsplitter allows an existing CWDM network to be upgraded with access to the complete DWDM C-band.

ORDERING INFORMATION

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<th>Description</th>
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<td>T-3809</td>
<td>8 ch. DWDM Mux/Demux, 100GHz, D934-D941, UPG Port, IL Link=5.0 dB, IL UPG=1.2dB, DWDM expansion port, LC</td>
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<td>T-3808</td>
<td>8 ch. DWDM Mux/Demux, 100GHz,D925-D932, IL Link=3.8 dB, LC</td>
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<td>T-3810</td>
<td>10 ch. DWDM Mux/Demux, 100GHz,D951-D960 SO ch. plan, IL Link=4.4 dB, LC</td>
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<td>T-3038</td>
<td>DWDM over CWDM expansion Mux/Demux, D921-D960 over 1530/1550nm CWDM, IL Link=2.5 dB, LC</td>
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Note:
All modules are ½ size mounting units and require 19” mounting bracket sold separately.

Subject to change without notice.
For more information visit smartoptics.com.
# GENERAL SPECIFICATIONS

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<td>8 + 8 channel DWDM expansion in CWDM channel 1550nm</td>
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**T-3809**

- **8 channel DWDM Mux/Demux with DWDM expansion port suitable for 1550 nm CWDM channel**
- Channels: 934, 935, 936, 937, 938, 940, 941 + UPG
- IL Link: <5.0 dB
- IL Link @ UPG: <1.0 dB

**T-3808**

- **8 channel DWDM Mux/Demux suitable for 1550 nm CWDM channel expansion Mux/Demux for T-3809 (total IL=5.5 dB)**
- Channels: 925, 926, 927, 928, 929, 930, 931, 932
- IL Link: <3.8 dB

10 channel DWDM expansion in CWDM channel 1530nm

**T-3810**

- **10 channel DWDM Mux/Demux suitable for 1530 nm CWDM channel**
- Channels: 951, 952, 953, 954, 955, 956, 957, 958, 959, 960
- IL Link: <4.4 dB

**DWDM over CWDM expansion Mux/Demux**

**T-3038**

- **DWDMoCWDM Mux/Demux**
- Operating wavelength spectrum 1260 nm - 1620nm
- IL Link: <2.5 dB
- Passband @ DWDM: 1528 nm – 1564 nm
- Passband @ CWDM: 1260 nm - 1518 nm & 1564 nm – 1620 nm

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