

T-OADM_x-x CWDM OADM SERIES

CWDM DUAL FIBER OADM_s



Photo: T-3009 & 3016

OVERVIEW

Smartoptics dual fiber T-OADM_x-x Series is a versatile range of CWDM OADM modules for East and West or single sided East or West traffic configurations. Both types can be configured with any combination of 1310nm upgrade port and Line monitor. Protocol transparent and suited to 10/1G Ethernet, 16/8/4/2/1G FC, SDH/SONET, Video, CATV, FTTx applications.

PRODUCT FEATURES

- Add & Drop / Add or Drop.
- 1310nm upgrade, line monitor
- Passive 1U modular design
- No electric power required. (MTBF ca. 500 years)

ORDERING INFORMATION

Part Number	Description
East or West, without 1310nm port	
T-OADM1-x-LT	1 ch CWDM OADM, East or West, IL A/D=1.0dB, IL BP=0.8dB, LC
T-OADM2-x-LT	2 ch CWDM OADM, East or West, IL A/D=1.6dB, IL BP=1.2dB, LC
T-OADM4-x-LT	4 ch CWDM OADM, East or West, IL A/D=2.2dB, IL BP=1.8dB, LC
East or West, with 1310nm port	
T-OADM1-0-13-LT	1310nm OADM, East or West, IL A/D=1.4dB, IL BP=1.6dB, LC
T-OADM1-x-13-LT	1 ch. CWDM OADM, East or West, 1310nm, IL A/D=1.4dB, IL BP=1.6dB, LC
T-OADM2-x-13-LT	2 ch. CWDM OADM, East or West, 1310nm, IL A/D=2.0dB, IL BP=2.0dB, LC
T-OADM4-x-13-LT	4 ch. CWDM OADM, East or West, 1310nm, IL A/D=2.6dB, IL BP=2.6dB, LC
East and West, without 1310nm port	
T-OADM1-x	1 ch. CWDM OADM, East and West, IL A/D=1.0dB, IL BP=1.2dB, LC
T-OADM2-x	2 ch. CWDM OADM, East and West, IL A/D=1.6dB, IL BP=1.8dB, LC
T-OADM4-x	4 ch. CWDM OADM, East and West, IL A/D=2.2dB, IL BP=3.0dB, LC

Subject to change without notice.

For more information visit smartoptics.com.

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East and West, with 1310nm port

T-OADM1-0-13	1310nm OADM, East and West, IL A/D=1.0dB, IL BP=0.8dB, LC
T-OADM1-x-13	1 ch. CWDM OADM, East and West, 1310nm, IL A/D=1.4dB, IL BP=2.0dB, LC
T-OADM2-x-13	2 ch. CWDM OADM, East and West, 1310nm, IL A/D=2.0dB, IL BP=2.6dB, LC
T-OADM4-x-13	4 ch. CWDM OADM, East and West, 1310nm, IL A/D=2.6dB, IL BP=3.8dB, LC

Note:

All modules are ½ size mounting units and require 19" mounting bracket sold separately


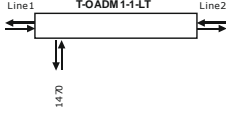
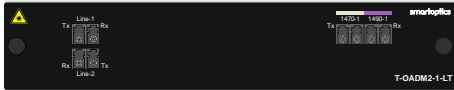
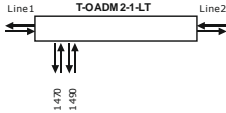

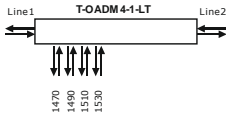

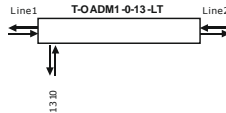

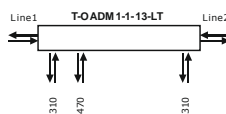

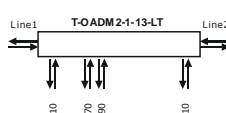

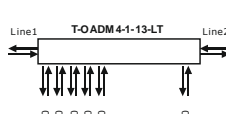
Wavelength plan


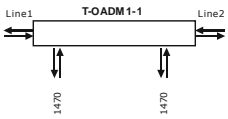

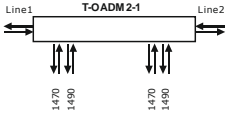

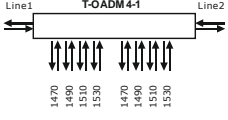

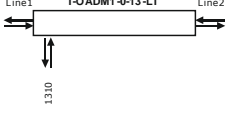

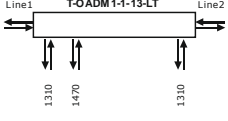

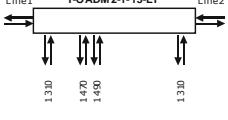

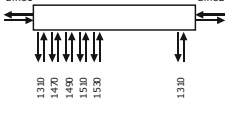

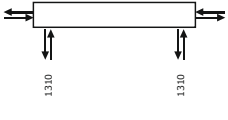

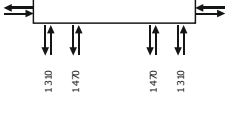
T-OADM1-0	X: 0 = 1310 (No CWDM)
T-OADM1-x	X: 1 =C47, 2=C49, 3=C51, 4=C53, 5=C55, 6=C57, 7=C59, 8=C61
T-OADM2-x	X: 1 = C47C49, 2=C51C53, 3=C55C57
T-OADM4-x	X: 1 = C47C49C51C53, 2 = C55C57C59C61, 3=C47C49C59C61

Monitoring port option

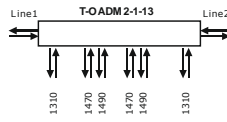
T-OADMx-x-M	line monitor
Please note:	Part number is constructed in this order: -> 1310, Line monitor, Line terminal

GENERAL SPECIFICATIONS

Front View	Function	Specification
East or West CWDM OADMs without 1310nm port		
 <p>T-OADM1-x-LT</p>	 <p>T-OADM1-1-LT</p>	<p>1 channel OADM (East or West) x=1: C47 x=2: C49 x=3: C51 x=4: C53 x=5: C55 x=6: C57 x=7: C59 x=8: C61</p> <p>IL bypass channel: <0.8 dB IL add/drop channel: <1.0 dB</p>
 <p>T-OADM2-x-LT</p>	 <p>T-OADM2-1-LT</p>	<p>2 channel, OADM (East or West) T-OADM2-1-LT: C47 & C49 T-OADM2-2-LT: C51 & C53 T-OADM2-3-LT: C55 & C57 T-OADM2-4-LT: C59 & C61</p> <p>IL bypass channel: <1.2 dB IL add/drop channel: <1.6 dB</p>
 <p>T-OADM4-x-LT</p>	 <p>T-OADM4-1-LT</p>	<p>4 channel, OADM (East or West) T-OADM4-1-LT: C47, C49, C51 & C53 T-OADM4-2-LT: C55, C57, C59 & C61 T-OADM4-3-LT: C47, C49, C59 & C61</p> <p>IL bypass channel: <1.8 dB IL add/drop channel: <2.2 dB</p>
East or West CWDM OADMs with 1310nm port		
 <p>T-OADM1-0-13-LT</p>	 <p>T-OADM1-0-13-LT</p>	<p>1 channel 1310nm OADM (East or West)</p> <p>IL bypass channel: <1.6 dB IL add/drop channel: <1.4 dB IL 1310 nm: <0.8 dB</p>
 <p>T-OADM1-x-13-LT</p>	 <p>T-OADM1-1-13-LT</p>	<p>1 channel + 1310 port, OADM (East or West) x=1: C47 x=2: C49 x=3: C51 x=4: C53 x=5: C55 x=6: C57 x=7: C59 x=8: C61</p> <p>IL bypass channel: <1.6 dB IL add/drop channel: <1.4 dB IL 1310 nm: <0.8 dB</p>
 <p>T-OADM2-x-13-LT</p>	 <p>T-OADM2-1-13-LT</p>	<p>2 channel + 1310 port, OADM (East or West) x=1: C47 & C49 x=2: C51 & C53 x=3: C55 & C57 x=4: C59 & C61</p> <p>IL bypass channel: <2.0 dB IL add/drop channel: <2.0 dB IL 1310 nm: <0.8 dB</p>
 <p>T-OADM4-x-13-LT</p>	 <p>T-OADM4-1-13-LT</p>	<p>4 channel + 1310 port, OADM (East or West) T-OADM4-1-13-LT: C47, C49, C51, C53 & 1310 T-OADM4-2-13-LT: C55, C57, C59, C61 & 1310 T-OADM4-3-13-LT: C47, C49, C59, C61 & 1310</p> <p>IL bypass channel: <2.6 dB IL add/drop channel: <2.6 dB IL 1310 nm: <0.8 dB</p>

Front View	Function	Specification
East and West CWDM OADMs		
<p>T-OADM1-x</p> 		<p>1 channel OADM (East & West) x=1: C47 x=2: C49 x=3: C51 x=4: C53 x=5: C55 x=6: C57 x=7: C59 x=8: C61</p> <p>IL bypass channel: <1.2 dB IL add/drop channel: <1.0 dB</p>
<p>T-OADM2-x</p> 		<p>2 channel, OADM (East & West) x=1: C47 & C49 x=2: C51 & C53 x=3: C55 & C57 x=4: C59 & C61</p> <p>IL bypass channel: <1.8 dB IL add/drop channel: <1.6 dB</p>
<p>T-OADM4-x</p> 		<p>4 channel, OADM (East & West) T-OADM4-1: C47, C49, C51, C53 T-OADM4-2: C55, C57, C59, C61 T-OADM4-3: C47, C49, C59, C61</p> <p>IL bypass channel: <3.0 dB IL add/drop channel: <2.2 dB</p>
East or West CWDM OADMs with 1310nm port		
<p>T-OADM1-0-13-LT</p> 		<p>1 channel 1310nm OADM (East or West)</p> <p>IL bypass channel: <1.6 dB IL add/drop channel: <1.4 dB IL 1310 nm: <0.8 dB</p>
<p>T-OADM1-x-13-LT</p> 		<p>1 channel + 1310 port, OADM (East or West) x=1: C47 x=2: C49 x=3: C51 x=4: C53 x=5: C55 x=6: C57 x=7: C59 x=8: C61</p> <p>IL bypass channel: <1.6 dB IL add/drop channel: <1.4 dB IL 1310 nm: <0.8 dB</p>
<p>T-OADM2-x-13-LT</p> 		<p>2 channel + 1310 port, OADM (East or West) x=1: C47 & C49 x=2: C51 & C53 x=3: C55 & C57 x=4: C59 & C61</p> <p>IL bypass channel: <2.0 dB IL add/drop channel: <2.0 dB IL 1310 nm: <0.8 dB</p>
<p>T-OADM4-x-13-LT</p> 		<p>4 channel + 1310 port, OADM (East or West) T-OADM4-1-13-LT: C47, C49, C51, C53 & 1310 T-OADM4-2-13-LT: C55, C57, C59, C61 & 1310 T-OADM4-3-13-LT: C47, C49, C59, C61 & 1310</p> <p>IL bypass channel: <2.6 dB IL add/drop channel: <2.6 dB IL 1310 nm: <0.8 dB</p>
East and West CWDM OADMs with 1310nm port		
<p>T-OADM1-0-13</p> 		<p>1 channel 1310nm OADM (East and West)</p> <p>IL bypass channel: <1.2 dB IL add/drop channel: <1.0 dB IL 1310 nm: <0.8 dB</p>
<p>T-OADM1-x-13</p> 		<p>1 channel CWDM + 1310nm OADM (East and West) x=1: C47 x=2: C49 x=3: C51 x=4: C53 x=5: C55 x=6: C57 x=7: C59 x=8: C61</p> <p>IL bypass channel: <2.0 dB IL add/drop channel: <1.4 dB IL 1310 nm: <0.8 dB</p>

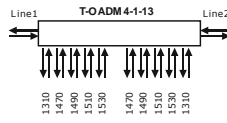
T-OADM2-x-13



2 channel + 1310 port, OADM (East & West)
 x=1: C47 & C49 x=2: C51 & C53
 x=3: C55 & C57 x=4: C59 & C61

IL bypass channel: <2.6 dB
 IL add/drop channel: <2.0 dB
 IL 1310 nm: <0.8 dB

T-OADM4-x-13



4 channel + 1310 port, OADM (East & West)
 T-OADM4-1-13: C47, C49, C51, C53 & 1310
 T-OADM4-2-13: C55, C57, C59, C61 & 1310
 T-OADM4-3-13: C47, C49, C59, C61 & 1310

IL bypass channel: <3.8 dB
 IL add/drop channel: <2.6 dB
 IL 1310 nm: <0.8 dB