

# T-30xx CWDM MUX/DEMUX SERIES

## CWDM Multiplexers



Photo: T-3009 &amp; 3016

## PRODUCT FEATURES

- Multiplexing up to 16 channels on fiber pair
- Low insertion loss, 1U Low profile modular design
- Compliant to ITU G.694.2 and G.695
- Passive, no electric power required. (MTBF ca. 500 years)

## OVERVIEW

Smartoptics T-30xx series are 4, 8 and 8+8 channel CWDM Mux/Demux units. T-3009 and T-3005 models have 1310nm expansion ports that allow either existing legacy 1310nm traffic or additional CWDM wavelength channels to be added. The T-3016 and T-3012 modules can be used on their own or to seamlessly expand an existing CWDM system when used together with T-3009 or T-3005 modules. All modules are protocol transparent.

## ORDERING INFORMATION


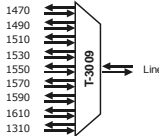
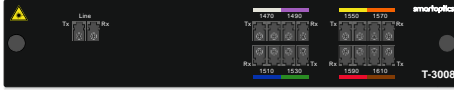
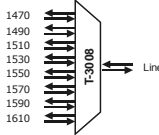

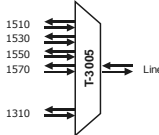
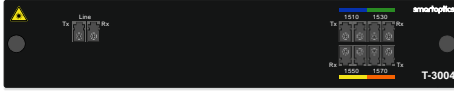
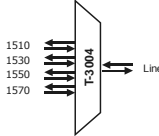
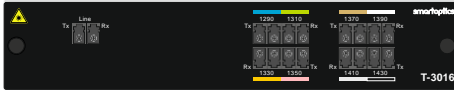
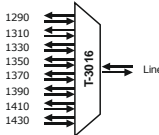
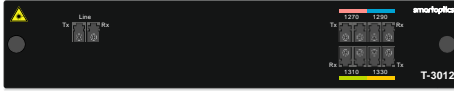
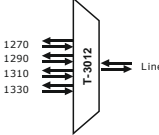
Part Number	Description
8 channel CWDM Mux/Demux (High band 1470 to 1610nm)	
T-3009	8 ch. CWDM Mux/Demux, C47-C61, IL Link=3.2dB, 1310nm expansion port, LC
T-3008	8 ch. CWDM Mux/Demux, C47-C61, IL Link=2.8dB, LC
4 channel CWDM Mux/Demux (High band 1510 to 1570nm)	
T-3005	4 ch. CWDM Mux/Demux, C51-C57, IL Link=2.4dB, 1310nm expansion port, LC
T-3004	4 ch. CWDM Mux/Demux, C51-C57, IL Link=2.0dB, LC
4 and 8 channel CWDM Mux/Demux (Low band 1270-1430nm)	
T-3016	8 ch. CWDM Mux/Demux, C29-C43, IL Link=2.8dB, LC
T-3012	4 ch. CWDM Mux/Demux, C27-C33, IL Link=2.0dB, LC
<b>Note:</b>	
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](http://smartoptics.com).

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## GENERAL SPECIFICATIONS

Front View	Function	Specification
<b>8 channel CWDM Mux/Demux (High band 1470 to 1610nm)</b>		
<p>T-3009</p> 		<p>8 channel CWDM Mux/Demux, 1310nm expansion port C47, C49, C51, C53, C55, C57, C59, C61 + 1310 nm</p> <p>IL Link: &lt;3.2 dB IL Link @ 1310 nm: &lt;1.8 dB</p>
<p>T-3008</p> 		<p>8 channel CWDM Mux/Demux C47, C49, C51, C53, C55, C57, C59 &amp; C61</p> <p>IL Link: &lt;2.8 dB IL Link @ 1550 nm: &lt;1.8 dB</p>
<b>4 channel CWDM Mux/Demux (High band 1470 to 1610nm)</b>		
<p>T-3005</p> 		<p>4 channel CWDM Mux/Demux, 1310nm expansion port C51, C53, C55, C57 + 1310 nm</p> <p>IL Link: 2.5 dB IL Link @ 1550 nm: &lt;1.8 dB IL Link @ 1310 nm: &lt;2.2 dB</p>
<p>T-3004</p> 		<p>4 channel CWDM Mux/Demux C51, C53, C55, C57</p> <p>IL Link: &lt;2.0 dB IL Link @ 1550 nm: &lt;1.8 dB</p>
<b>4 and 8 channel CWDM Mux/Demux (Low band 1270-1430nm)</b>		
<p>T-3016</p> 		<p>8 channel port, CWDM Mux/Demux C29, C31, C33, C35, C37, C39, C41 &amp; C43 expansion Mux/Demux to T-3009</p> <p>IL Link: &lt;2.8 dB IL Link: &lt;4.0 dB combined with T-3009</p>
<p>T-3012</p> 		<p>4 channel port, CWDM Mux/Demux C27, C29, C31 &amp; C33 Expansion Mux/Demux to T-3005</p> <p>IL Link: &lt;2.0 dB IL Link: &lt;3.5 dB combined with T-3009</p>