T-58XX DWDM MUX/DEMUX SERIES
50GHz, 40+40 channel DWDM Multiplexers

PRODUCT FEATURES
- Multiplexing of up to 80 channels on fiber pair
- Low insertion loss
- Large passband bandwidth
- Compliant to ITU G.694.1
- 1U Low profile modular design
- Passive, no electric power required. (MTBF ca. 500 years)

DESCRIPTION
Smartoptics T-58xx series are 40+40 channel 50GHz DWDM Mux/Demux units. T-5841-E has a built in 50GHz interleaver module and when connected to the T-5840-O can handle up to 80 DWDM channels using tunable or 50GHz spaced transceivers. The T-5840-O model has a large passband bandwidth which offers the possibility to use 100GHz specified transceivers. All channels operate in the standard C-band of the fiber.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>T-5841-E</td>
<td>40 ch. DWDM Mux/Demux, 50GHz, D9210-D9600, IL Link=10dB, IL UPG=3.0dB DWDM expansion port with 50GHz Interleaver, LC</td>
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<tr>
<td>T-5840-O</td>
<td>40 ch. DWDM Mux/Demux, 50GHz, D9215-D9605, IL=8dB, LC</td>
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</tbody>
</table>
### GENERAL SPECIFICATIONS

#### Front View

<table>
<thead>
<tr>
<th>Function</th>
<th>Specification</th>
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</thead>
</table>
| **T-5841-E** | 40 channel DWDM Mux/Demux, DWDM expansion port  
Supporting DWDM channels 9210 - 9600  
IL Link: <10dB  
IL Link @ UPG: <3dB (Interleaver upgrade with T-5840-O) |

| **T-5840-O** | 40 channel DWDM Mux/Demux  
Supporting DWDM channels 9215 - 9605  
IL Link: <8dB |

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