### Features
- Housed in 1-RMU (1.75 in height) shelf
- Rack Mountable in 19” or 23” racks
- 8-Channel communication on 2 network fibers
- Built-in Mux and Demux in one unit
- Simple to install, requires no configuration or maintenance
- High reliability, MTBF 650 yrs
- Telcordia GR-1209 and GR-1221 qualified
- Epoxy-free in optical path
- Completely passive
- no power required
- no cooling required,
- environmentally friendly
- Low insertion loss - high isolation
- Disassembles easily for cleaning
- Fully transparent at all data rates and protocols
- Accepts any data rate and any protocol on any port up to 10 Gbps, also 40 Gbps (DPSK, DQPSK) and 100 Gbps (DP-QPSK)
- Warranty 5 years

### Applications
- Any equipment using ITU-T CWDM optics
- Routers and Switches with fiber connections
- SONET OC-3 to OC-768
- SDH STM-1 to STM-256
- GigE, 10GigE, 40GigE
- CWDM GBIC, SFP, & XFP , Xenpak
- ATM
- SAN, Fiber Channel

### Compatibility
- Fully compatible with all ITU-T CWDM optics
- Compatible with lightwave equipment including, Cisco, Nortel, Alcatel, Ciena, Fujitsu, MRV etc.
- Equivalent with Cisco Part# CWDM-MUX8A=

### Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Mux Demux pair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center wavelengths</td>
<td>1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm</td>
</tr>
<tr>
<td>Channel bandwidth</td>
<td>+/- 6.5 nm</td>
</tr>
<tr>
<td>Insertion loss matched mux/demux pair (max)</td>
<td>4.0 dB</td>
</tr>
<tr>
<td>Insertion loss single unit (max)</td>
<td>3.5 dB</td>
</tr>
<tr>
<td>Isolation (min)</td>
<td>28.0 dB</td>
</tr>
<tr>
<td>Polarization dependent loss (max)</td>
<td>0.2 dB</td>
</tr>
<tr>
<td>Directivity (min)</td>
<td>50.0 dB</td>
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<tr>
<td>Ripple in passband (max)</td>
<td>0.5 dB</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-5° to +70° C</td>
</tr>
<tr>
<td>Connectors</td>
<td>Dual LC or SC</td>
</tr>
<tr>
<td>List price</td>
<td>TCWM-08MD-02-20-1471-1611-LCU-x*</td>
</tr>
</tbody>
</table>

* add C to Product code for Cisco equivalent CWDM-MUX8A which adds monitor ports to the product

For more information, call a Customer Representative at 1.888.250.1562
All prices listed are in US Dollars and are subject to change without notice.