

DWDM OADM

1. GENERAL DESCRIPTION

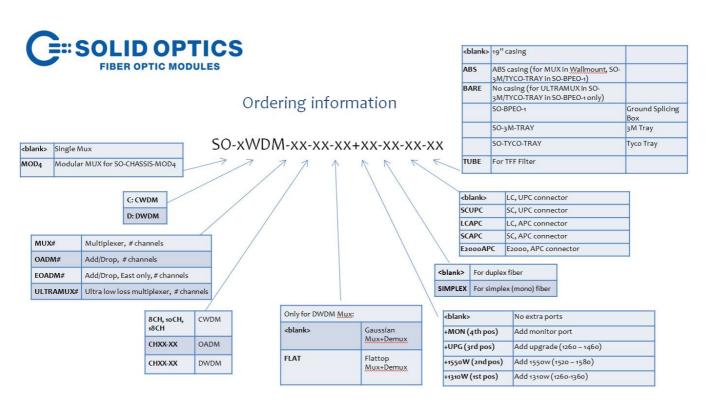
An optical add-drop multiplexer (OADM) is a device used in Wavelength-division multiplexing systems for multiplexing and routing different channels of light into or out of a single mode fiber (SMF). "add" and "drop" here refer to the capability of the device to add one or more new wavelength channels an existing multi-wavelength WDM signal, and/or drop (remove) one or more channels, passing those signals to another network path. An OADM may be considered to be a specific type of optical cross-connect. The Solid Optics OADM comes as a 1RU 19"device with rackmounts. The connectors are LC/UPC by default; other connectors available on request. In the picture you see a OADM with 2 channels.

2. GENERIC ORDERING INFORMATION

PARTNAME DESCRIPTION

SO-DWDM-OADMXX-YY

XXCH DWDM CHYY, OADM East & West, Mux/Demux, Duplex, LC/UPC connectors, 19" casing





3. PRODUCT SPECIFICATIONS & FEATURES

- Available up to 10 channels from 1520 to 1570nm with ITU Grid 100Ghz +- 0.11nm
- ✓ Has East & West Channel
- ✓ Custom versions are available on request
- ✓ Operating Temperature -40 to 75 °C

- Average loss in/out 0.8dB for 2 channels and
 0.6dB for 1 channel
- ✓ Comes with LC/UPC connectors
- ✓ Passive, no electricity needed
- ✓ Additional express/UPG port available

4. TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	VALUE
OPERATING WAVELENGTH	nm	1520 to 1570nm with ITU Grid 100Ghz +- 0.11nm
ADD DROP WAVELENGTH	λ	λ1(1), λ1(2) and λ2(1), λ2(2)
INSERTION LOSS IN-OUT	dB	<0.8 for 1 port, <1.2 for 2 ports
ADD-OUT	dB	<0.8 for 1 port, <1.0 for 2 ports
IN-DROP	dB	<0.8 for 1 port, <1.0 for 2 ports
ISOLATION ADJACENT	dB	>30
ISOLATION NON-ADJACENT	dB	>50
RETURN LOSS	dB	<-45
POLARIZATION DEPENDENT LOSS	dB	<0.2
TEMPERATURE DEPENDENT LOSS	dB	<0.2
POLARIZATION MODE DISPERSION	dB	<0.2
MAXIMUM OPTICAL POWER	mW	500
CONNECTION	-	LC/UPC
PACKAGING SIZE	-	19"RACK
OPERATING TEMPERATURE	°C	-5 to 70 °C
STORAGE TEMPERATURE	°C	-40 to 85 °C



5. WARNING & SYMBOLS

Solid Optics EN N.V. has tested the equipment based on European legislation and it is safe, doesn't intervene with other electronic devices and that it is not affected by interference from other Electronic devices.

RoHS Hazardous Goods; Our equipment complies with Directive 2011/65/EU (RoHS II) and 2002/95 EC (RoHS I)

6. DISCLAIMER & COPYRIGHT

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