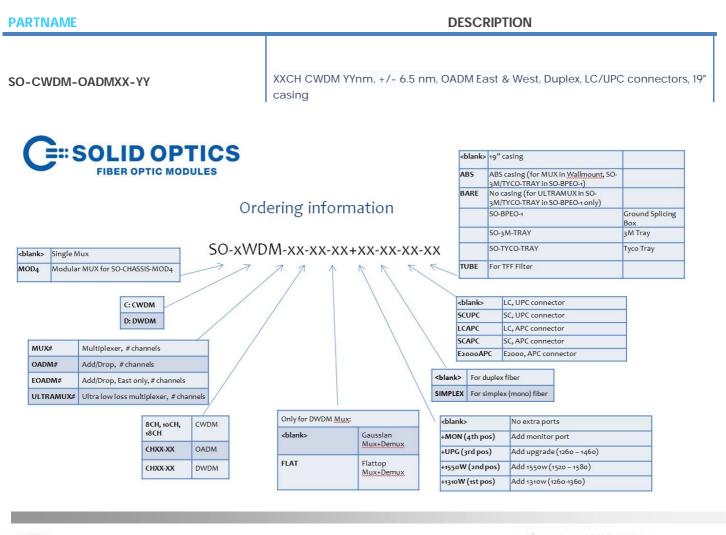


# CWDM OADM

## **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 an OADM with 2 channels.

# 2. GENERIC ORDERING INFORMATION





## 3. PRODUCT SPECIFICATIONS & FEATURES

Available up to 10 channels from 1270 to
Gerating Temperature -40 to 75 °C
1610nm with 20nm steps
Average loss in/out 1.1dB
Has East & West Channel
Comes with LC/UPC connectors
Custom versions are available on request
Passive, no electricity needed

# 4. TECHNICAL SPECIFICATIONS

PARAMETER	UNIT	VALUE
OPERATING WAVELENGTH	nm	1270 ~1610, 20 steps
ADD DROP WAVELENGTH	λ	$\lambda$ 1(1), $\lambda$ 1(2) and $\lambda$ 2(1), $\lambda$ 2(2)
INSERTION LOSS IN-OUT	dB	<0.8 for 1 port, <1.0 for 2 ports
ADD-OUT	dB	<0.6 for 1 port, <0.8 for 2 ports
IN-DROP	dB	<0.6 for 1 port, <0.8 for 2 ports
ISOLATION ADJACENT	dB	>30
ISOLATION NON-ADJACENT	dB	>40
RETURN LOSS	dB	<-45
POLARIZATION DEPENDENT LOSS	dB	<0.1
TEMPERATURE DEPENDENT LOSS	dB	<0.1
POLARIZATION MODE DISPERSION	dB	<0.1
MAXIMUM OPTICAL POWER	mW	300
CONNECTION	-	LC/UPC
PACKAGING SIZE	-	19"RACK
OPERATING TEMPERATURE	°C	-40 to 75 °C
STORAGE TEMPERATURE	°C	-55 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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