

# Tunable OADM -100GHz

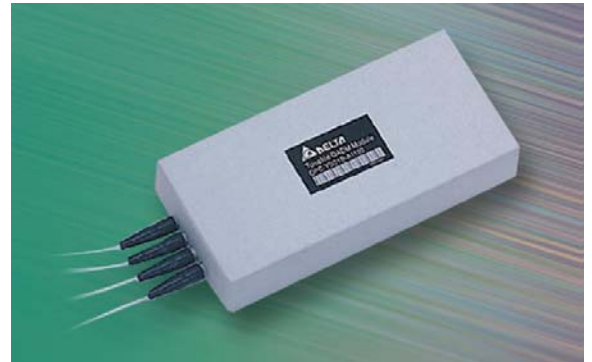
## OPTOMECHANICAL TYPE

### Features:

- Designed to meet Bellcore 1073 and 1221 performance and reliability standards
- Low insertion loss
- Wide working range of wavelength
- High resolution of 0.05nm for different add/drop channel
- Operating types under direct and RS-232 control
- Stepping motor motion type
- Compact size of 16x47x85 mm

### Applications:

- DWDM System
- Add/Drop Channels
- CATV Fiber optic Links
- Fiber Amplifier System
- Telecommunications
- Local Area Network
- Testing Instruments



Model Name: **OPC-YDS4B-A1200**

Specifications	Unit	
Insertion Loss <sup>1</sup>	dB	1.8 typ (3.7 max)
Return Loss	dB	-40 max
Resolution	nm	0.05
PDL	dB	0.15 (0.3 max)
Wavelength Range <sup>2</sup>	nm	1527.22 ~ 1568.77 (Ch.63 ~ Ch.11)
Fiber Type		Single Mode
Response Time <sup>3</sup>	Sec.	1.4
Nominal Operating Voltage <sup>4</sup>	V <sub>dc</sub>	5
Control		Stepping Motor
Bandwidth (@-0.5dB)	nm	0.5 (0.4 min)
Bandwidth (@-20dB)	nm	1.2 (1.5 max)
Housing Dimensions (HxWxL)	mm	16x47x85
Operating Temperature	°C	0 ~ 65
Storage Temperature	°C	-40 ~

All specifications referenced without connectors

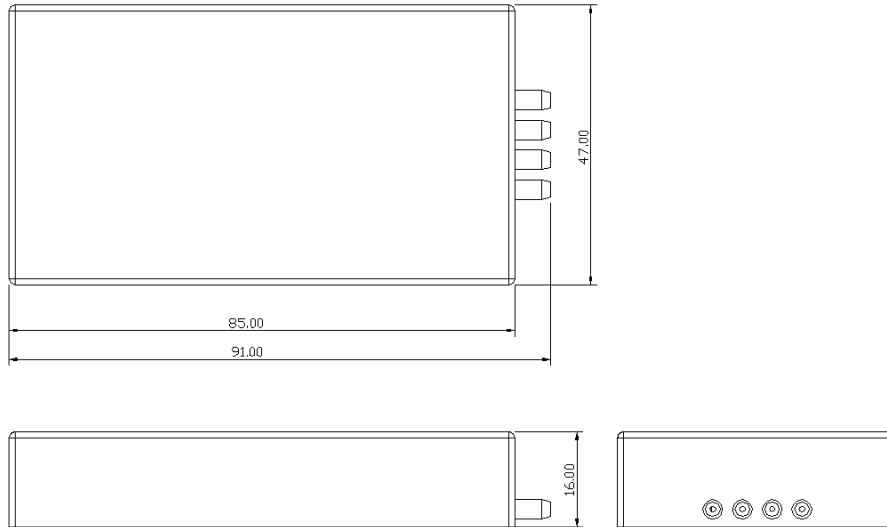
1. Without fiber optic connectors
2. Other wavelength range also available for customer demand
3. Bandwidth changed from 1527.22nm to 1568.77nm, 41.55nm changed time record
4. Operating voltage of stepping motor same as RS-232 control type 5 V<sub>dc</sub>

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<http://www.deltaww.com>

**Dimension:**



**Order Information:**

OPC Tunable OADM Model Name

EX: OPC-YDS4B-A1200

OPC - Y X X X X - X X X XX

**Tunable OADM**

**00:Delta Standard  
A0:OEM/ODM Customer**

**Connector type**

**Fiber type**

- 0: SM 250 um bare fiber
- 1: SM 900um loose buffer
- 2: SM 900um tight buffer
- 3: SM 3mm cable

- 0: None
- 1: FC/PC
- 2: FC/SPC
- 3: FC/UPC
- 4: FC/APC
- 5: SC/PC
- 6: SC/SPC
- 7: SC/UPC
- 8: SC/APC
- 9: ST
- A: LC/MU

**Wavelength range**

- A: 1527.22~1568.77nm
- B: 1544.53~1568.77nm
- C: 1519.48~1544.53nm

**Channel spacing**

- CWDM: DWDM:**
- 1: 10nm A:50GHz
  - 2: 20nm B:100GHz
  - 3: 30nm C:200GHz

**Control Port**

- 0: Manual (Without PD readout)
- 1: Manual (With PD readout)
- 2: RS-232 (CPU embedding)
- 3: direct control (Without PD readout)
- 4: direct control (With PD readout)

**Motion type**

- S: Stepping motor
- M: Manual

- W: CWDM
- D: DWDM

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