

OADM

Zenastra designs and manufactures optical circuits for DWDM systems. We deliver high volume optical component integration that improves system flexibility at reduced cost.



Optical Add/Drop Multiplexer

The Zenastra 100 GHz and 400 GHz OADMs are used to add and drop up to 400 GHz onto a single fiber at optical network nodes in multi-wavelength systems based on the ITU Grid. Using industry accepted silica-on-silicon technologies and designed to meet Telcordia 1209/1221 specifications, these multiplexers have no moving parts. Zenastra OADMs provide superior bandpass characteristics and are an economical and flexible alternative to using thin film filters in optical networks.

FEATURES

- Proven silica-on-silicon technology ensures consistent quality and high adherence to specifications
- Design for compliance with Telcordia 1209/1221 assures long term stability and reliability
- Adds or drops up to 400GHz of bandwidth to accommodate 50GHz, 100GHz, and 200GHz ITU grid spacing
- Impressive bandpass characteristics minimize bandwidth loss
- Stable thermal characteristics deliver predictable device performance

APPLICATIONS

- Metro and high-end access
- Network reconfiguration implementations



ZENAstra™

OADM

Zenastra, headquartered in Ottawa, Canada, is a fast-moving start-up at the forefront of one of the high tech industry's hottest sectors – integrated optical circuits. Zenastra designs, manufactures, markets and supports integrated optical components and sub-systems for the high performance networking equipment that powers the optical Internet. We have developed a unique process that enables us to gain advantage and leadership in this booming global market.

PRELIMINARY SPECIFICATIONS

Parameter	Specification		Unit
	OADM100	OADM400	
Operating Wavelength Range *	1525 – 1565		nm
Drop/Add Bandwidth	100	400	GHz
1 dB Bandwidth	60	340	GHz
Insertion Loss – Express Channel	< 2		dB
Insertion Loss – Add/Drop Channel	< 2		dB
Isolation (adjacent channels)	> 25		dB
Isolation (non-adjacent channels)	> 35		dB
Return Loss	> 25	> 20	dB
Polarization Dependent Loss	< 0.5		dB
Electrical Power Consumption	< 3		W
Operating Temperature	0 to +70		°C
Storage Temperature	-40 to +85		°C
Fiber Pigtail	1		m
Dimensions (L x W x H)	128 x 26 x 20		mm

Specifications do not include connectors. All specifications subject to change without notice.

* Customer Specific.



ZENAstra

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SPC 500000019 REV 01 MAR 2001