

OTS3000-OADM

Optical Add-Drop Multiplex System



COADM

DOADM

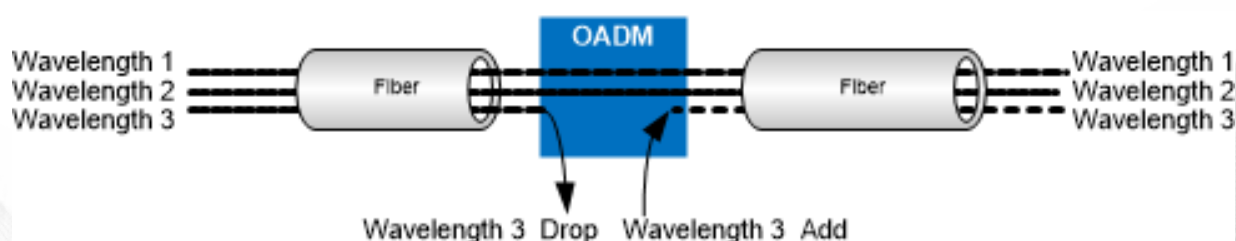
OTS3000-OADM is a kind of function card in optical communication integrated platform. OADM can add or drop any one of wavelength optical signals from the transmission system without affecting other wavelength optical link transmission. It enables the system to be transparent, can process any kinds of format and rate of signal, and can be deployed flexibly according to the network requirement, which has played an important role in the backbone nodes and local access. Since its low cost, low power consumption and compact size features, OADM becomes an ideal transmission solution of low price and high performance choice.

Features

- ❑ Modularized design, Compact size, Support hot Plug.
- ❑ Low insertion loss, Low PDL, High Channel Isolation.
- ❑ High stability, High reliability.

Applications

- ❑ WDM System
- ❑ MAN (Metropolitan Area Network)



Specifications

Parameters		Unit	OTS3000-COADM				OTS3000-DOADM			
Dimension		mm	160×200×21 (WxDxH)							
Maximal Power Consumption		W	0.5							
Wavelength Range		nm	1260 ~ 1620				1500 ~ 1620			
Channel Spacing		Ghz					100		200	
Passband Width		nm	±7.5				±0.11		±0.25	
Passband Flatness		dB	≤ 0.5							
Channel		λ	1	2	4	8	1	2	4	8
Insertion Loss	Add/Drop	dB	≤ 0.6	≤ 1.0	≤ 1.5	≤ 2.5	≤ 0.8	≤ 1.2	≤ 1.7	≤ 3.0
	Express	dB	≤ 0.8	≤ 1.4	≤ 2.5	≤ 5.0	≤ 0.8	≤ 1.4	≤ 2.5	≤ 5.0
Isolation		dB	Adjacent channel isolation ≥30 ; Non-adjacent channel isolation ≥45;							
Return Loss		dB	SM ≥ 45							
Directivity		dB	SM ≥ 50							
PDL		dB	≤ 0.1				≤ 0.15		≤ 0.20	
Polarization Mode Dispersion		ps	≤ 0.1				≤ 0.15			
Optical Power		mw	≤ 500							
Operating Temperature		°C	-5 ~ +55							
Storage Temperature		°C	-20 ~ +70							
Relative Humidity			5% ~ 95% (non-condensing)							

Ordering Information: OTS3000-COADM-A-B-C

A: Channel	B: The Starting Wavelength	C: Connector Type
1: 1 Channel 2: 2 Channels 4: 4Channels 8: 8Channels X: Others	27: 1270 nm 29: 1290 nm ... 59: 1590 nm 61: 1610 nm Refer to ITU CWDM wavelength table	LP: LC/PC X: Others

Ordering Information: OTS3000-DOADM-A-B-C

A: Channel	B: The Starting Wavelength	C: Connector Type
1: 1 Channel 2: 2 Channels 4: 4Channels 8: 8Channels X: Others	C20: C20 1561.42 C21: C21 1560.61 ... Refer to ITU CWDM wavelength table	LP: LC/PC X: Others