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PRODUCT INTRODUCTION

Dense Wavelength Division Multiplexer

Dense Wavelength Division Multiplexer (DWDM): The wavelength spacing of dense wavelength division multiplexing is between 0.2~1.6nm. Compared with the Coarse Wavelength Division Multiplexer (CWDM), DWDM has larger capacity and more channels. DWDM supports a longer transmission distance with EDFA. Using thin film filter technology, it has characteristics such as high isolation and high reliability.
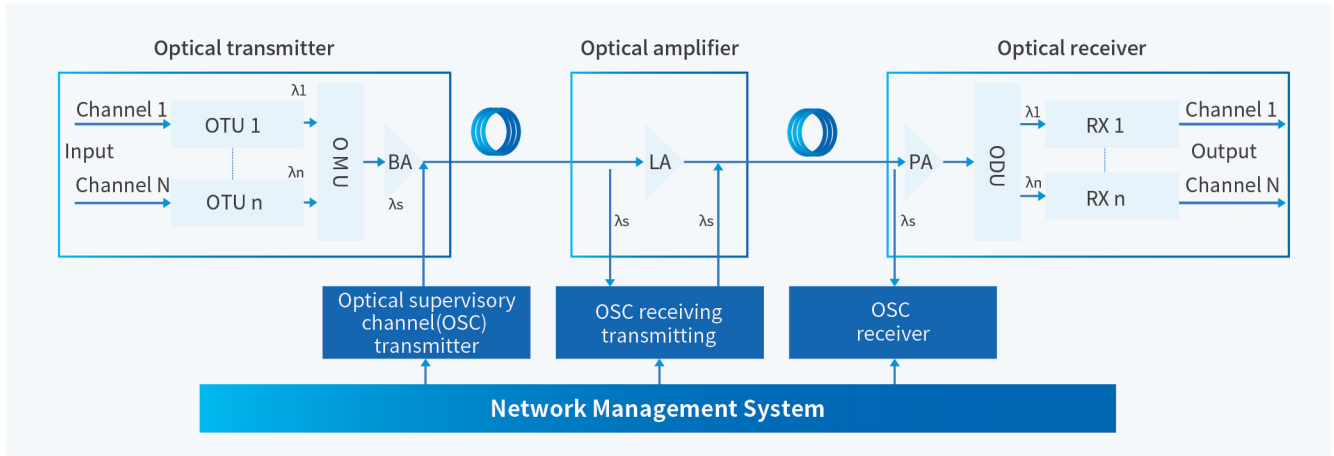
Features

- Low insertion loss, high isolation
- Excellent thermal stability
- Compliant with Telcordia standards
- Compliant with RoHS standards

Applications

- Long distance trunk DWDM system
- Metropolitan Area Network (MAN) and Access Network (AN)

Product characteristics / Enhanced graph

Parameters

Specifications

Parameters	Unit	-	Specifications		
			Mux / Demux		
ITU channel	-	-	C20,C21,C22,C23,C24.........C58,C59,C60		
Pass band@0.5dB	nm	Min	0.3		
Operating wavelength	nm	-	1520~1570		
Channel spacing	GHz	Min	100		
Insertion loss	dB	Max	4 Channel 2.0	8 Channel 3.0	16 Channel 3.5(with skip filter) 4.5(without skip filter)
Adjacent channel isolation	dB	Min	30		
Non-Adjacent channel isolation	dB	Min	40		
Polarization dependent loss	dB	Max	0.15	0.25	
Polarization mode dispersion	Ps	Max	0.10		0.15
Wavelength thermal stability	nm/°C	Max	0.001		
Insertion loss thermal stability	dB/°C	Max	0.005		
Return loss	dB	Min	45		
Directivity	dB	Min	50		
Maximum optical power	mW	Max	300		
Operating temperature	°C	-	-5~+70		
Operating humidity	%RH	-	5~90		
Storage temperature	°C	-	-40~+85		
Storage humidity	%RH	-	0~95		
Package dimension	mm	-	Customized		