


## 100Ghz Optical Add/drop Module (OADM)

<b>Features</b>	
Low Insertion Loss High Channel Isolation High stability and reliability	
<b>Application</b>	
DWDM Network Wavelength Routing Fiber Optical Amplifier CATV Fiber optic System	

### Specifications

Parameter		Type	1ch	2ch
Channel Wavelength (nm)			1530.33 ~ 1560.61 (21~ 59 ITU grid)	
Center Wavelength Accuracy (nm)			± 0.05	
Minimum Channel Spacing (GHz)			100	
Channel Passband (@-0.5dB bandwidth) (nm)			> 0.22	
Insertion Loss (dB)	Add / Drop Ch1		≤1.2	≤1.2
	Add / Drop Ch 2		-	≤1.5
	Express Ch.		≤1.0	≤1.4
Add / Drop Channel Ripple (dB)			≤0.3	
Isolation (dB)	Demux	Adjacent Ch.	≥ 25	
		Non-adjacent Ch.	≥40	
	Mux	Adjacent Ch.	N/A	
		Non-adjacent Ch.	N/A	
Express Channel Isolation (dB)			> 25	
Insertion Loss Temperature Sensitivity (dB/°C )			< 0.003	
Wavelength Temperature Shifting (nm/°C )			< 0.002	
Polarization Dependent Loss (dB)			< 0.10	
Polarization Mode Dispersion (ps)			< 0.1	
Directivity (dB)			≥50	
Return Loss (dB)			≥ 45	
Power Handling (mW)			300	
Operating Temperature (°C)			0 ~ +70	
Storage Temperature (°C)			-40 ~ +85	
Package Dimension (mm)			80 x 60 x 10	

**Ordering Information:**

OADM	Spacing	Channel Type	1 <sup>st</sup> ITU Channel	Pigtail Type	Fiber Type	Length	Connector
	1=100G hz	1=1ch 2=2ch	21=21ch 22=22ch ..... 60=60ch	900=900um loose tube 2000=2mm loose tube 3000=3mm loose tube	1=SMF-28 e	1= 1m X=Spe cify	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC LA=LC/APC XX=Other