


## 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 Fiberoptic System	

### Specifications

Parameter		Type	1ch	2ch
Channel Wavelength (nm)		1530.33 ~ 1560.61 (21~ 59 ITU grid)		
Center Wavelength Accuracy (nm)		$\pm 0.05$		
Minimum Channel Spacing (GHz)		100		
Channel Passband (@-0.5dB bandwidth) (nm)		$> 0.22$		
Insertion Loss (dB)	Add / Drop Ch1		$\leq 1.2$	$\leq 1.2$
	Add / Drop Ch 2		-	$\leq 1.5$
	Express Ch.		$\leq 1.0$	$\leq 1.4$
Add / Drop Channel Ripple (dB)		$\leq 0.3$		
Isolation (dB)	Demux	Adjacent Ch.	$\geq 25$	
		Non-adjacent Ch.	$\geq 40$	
	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)		$\geq 50$		
Return Loss (dB)		$\geq 45$		
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- 28e	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 MU=MU/UPC XX=Other