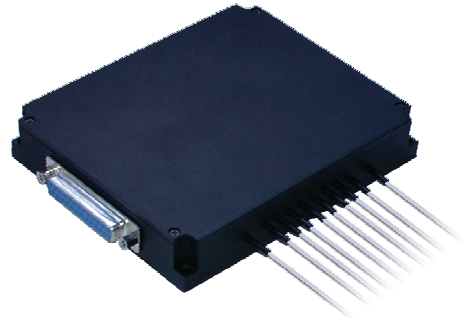


Configurable OADM Module (Sample)

Features:

- Add & Drop on-off Control
- Extremely Compact Package
- Low Insertion Loss
- High Excellent Channel Isolation
- Telcordia Compliant



Applications:

- Add/Drop Systems
- Optical Cross Connect
- Unidirectional/Bi-directional Network
- CATV System

Specifications^{1,2}:

Parameter	Unit	Grade "A"
Channel Number ³	Ch	4
Channel Spacing		200GHz 20nm
Central Wavelength (λ_c)	nm	1529.55~ 1560.61 DWDM ITU Grid 1471(0)~1611(0) CWDM ITU Grid
Passband	Min.	nm ITU +/- 0.25 ITU +/- 6.5
Insertion Loss (Input to Drop, Add to Out)	Max.	dB 3.0 2.5
Insertion Loss (Input to Out, Off state)	Max.	dB 2.5
Ripple at Add/Drop Channel	Max.	dB 0.5
Add/Drop Adjacent Channel Isolation	Min.	dB 30
Add/Drop Non-Adjacent Channel Isolation	Min.	dB 40
On-off Switching Time	Max.	ms 10
Directivity	Max.	dB 50
Return Loss	Min.	dB 45
Polarization Dependent Loss	Max.	dB 0.15
Polarization Mode Dispersion	Max.	ps 0.1
Repeatability ⁴	Max.	dB +/-0.05
Fiber Type		Corning SMF-28 with 900 μ m buffer
On-off Switching Voltage	Max.	V 5
Fiber Length		m 1.0+/-0.1
Power Handling	Max.	mW 500
Operating Temperature		$^{\circ}$ C 0~70
Storage Temperature		$^{\circ}$ C - 40~85
Package Dimension	mm	(L)120 \times (W)100 \times (H)22
Electronic Pot Type		RS-232

1. All specifications include the effect of operating temperature and all states of polarization.
2. Values referenced without connectors and insertion loss for a connector-pair is 0.20dB(typ.) and 0.30dB(max.).
3. Other Add/Drop channel number is available upon request.
4. Repeatability measured at room temperature for 100 cycles.

Package Dimension:

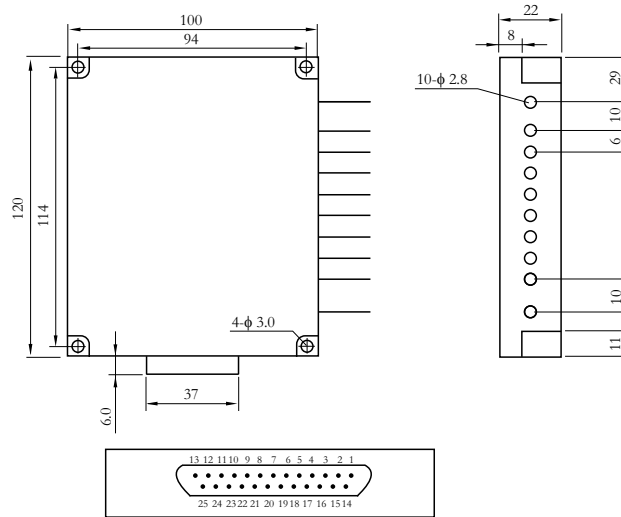


Figure 1. Package A for 4-Channel On-off Configurable Module

Optical Port Definition¹:

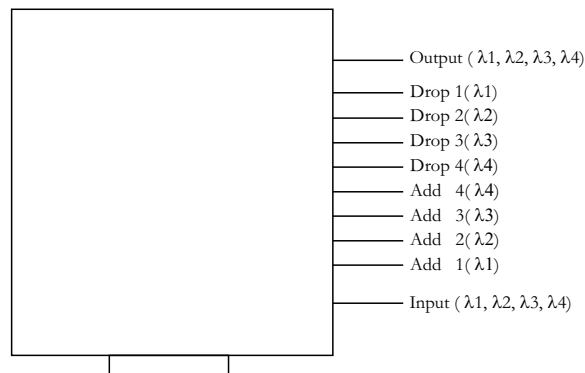


Figure 2: Optical Outlet A for 4-Channel On-off Configurable Module

1. Add/Drop port decrease upon wavelength increasing.

Electronic PIN Definition¹:

Pin Control		Optical Path	Pin Control		Optical Path
Pin 1	Pin 14	Input→Drop 1	Pin 2	Pin 15	Input→Output
+5VDC	Gnd	Add 1→Output	+5VDC	Gnd	Optical Express
Pin 3	Pin 16	Input→Drop 2	Pin 4	Pin 17	Input→Output
+5VDC	Gnd	Add2→Output	+5VDC	Gnd	Optical Express
Pin 5	Pin 18	Input→Drop 3	Pin 6	Pin 19	Input→Output
+5VDC	Gnd	Add3→Output	+5VDC	Gnd	Optical Express
Pin 7	Pin 20	Input→Drop 4	Pin 8	Pin 21	Input→Output
+5VDC	Gnd	Add4→Output	+5VDC	Gnd	Optical Express

1. Other type of electronic PIN definition is available upon request. Please specify the PIN definition when ordering.

Order Information:

COAD - XXX - X - XX - XXXX - XXXX - X - X
A B C D E F G

A	WDM Type	100 = 100GHz Channel Spacing
		200 = 200GHz Channel Spacing
		020 = 20nm Channel Spacing
B	Grade	T=Grade "T"
		S=Custom
C	Channel	04=4 channel
		08=8 channel
		16=16 channel
		32=32 channel
		40=40 channel
D	Initial Channel	CH21=21st channel
		⋮
		CH65=65th channel
E	Fiber Type ¹	900L=900 μm loose tube
		900T=900 μm tight buffer fiber
F	Mux/Demux	M=Mux
		D=Demux
G	Connector	N=W/O connector
		Y=With connector ²

1. 2mm or 3mm yellow cable is available upon request.

2. Please specify the type of connector when ordering.