

COARSE WAVELENGTH DIVISION MULTIPLEXER

Features:

Environmental Green Plan
 Compliance
 Ultra-Low Insertion Loss
 Narrow Down Distribution
 Super Thermal Stability
 Highly Reliability
 High Channel Isolation
 Epoxy-free Optical Path

Applications:

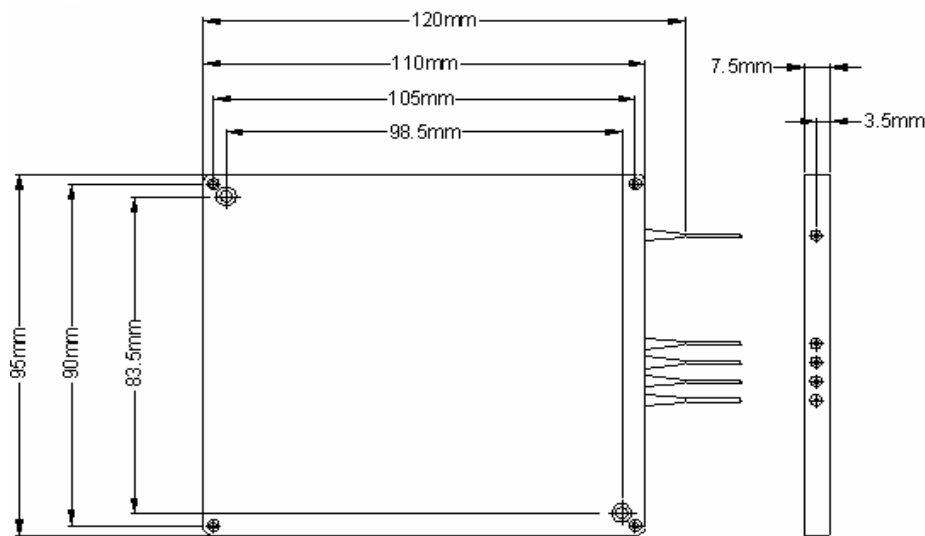
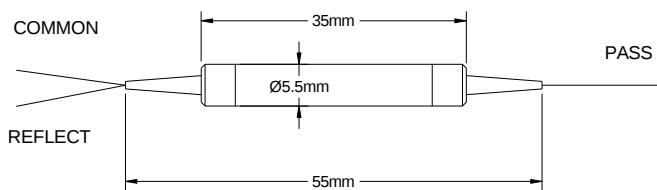
Line Monitoring
 WDM Network
 Telecommunication
 Cellular Application
 Fiber Optical Amplifier
 Access Network

Parameter			4-CH		8-CH		16-CH			
			MUX / DEMUX							
Working Wavelength Range		nm	1470 to 1610							
Center Wavelength		nm	±0.5		±0.5		±0.5			
Channel Spacing		GHz	20nm		20nm		20nm			
Passband Bandwidth		nm	±6.5		±6.5		±6.5			
Isolation Loss	Typical	dB	≤1.5		≤3.7		≤4.9			
	Max	dB	≤1.8		≤4.0		≤5.5			
Passband Ripple		dB	<0.3		<0.3		<0.3			
Isolation	Adjacent	dB	>30							
	Non-adjacent	dB	>40							
Insertion Loss T S		nm/℃	<0.005							
Wavelength T S			<0.002							
Polarization D L			<0.10							
Polarization M D			<0.20							
Directivity		dB	>50							
Return Loss		dB	>45							
Power Handling		Mw	500							
Operating Temperature		℃	0~+70							
Storage Temperature		℃	-40~+85							
Package Dimension		mm	L110 x W95 x H7.5 (Metal) L120 X W80 X H11.6 (ABS)							
Center Wavelength Table(nm ITU Grid)			1471nm	1491nm	1511nm	1531nm	1551nm	1571nm	1591nm	1611nm

* Note:

- 1) The maximum IL is under all states of polarization and within the full operating temperature And wavelength ranges specified
- 2) All the parameters are excluding connectors
- 3) The mechanical tolerance shoulder +/-0.2mm on all package dimensions unless otherwise Custom specified

Package Dimensions



B

Ordering Information:

CWDM-①-②-③-④-⑤-⑥-⑦

①Confirmation M=Mux D=DeMux	②Channel 2=2Channel 4=4Channel 8=8Channel 16=16Channel	③1st Channel 47=1471nm 49=1491nm 51=1511nm	④Fiber Type 1=250um Bare Fiber 2=900um loose tube Fiber	⑤Fiber Length 1=1Meter 2=2Meter S
	⑥Package A=A Package B=B Package C=C Package D=D Package S		⑦Connector 0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC S	

*The tolerance of fiber length is +/-0.1m. 1 meter is standard. The lead-time for special Fiber length will be longer