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
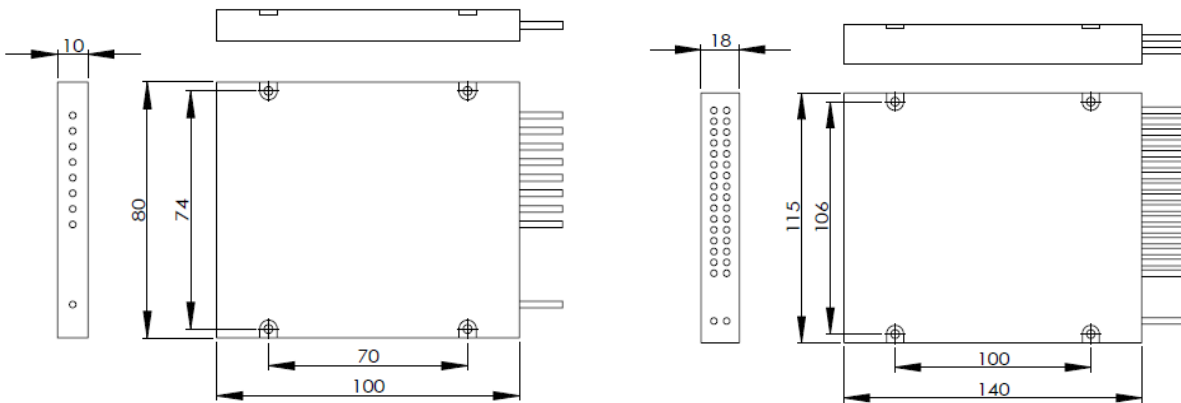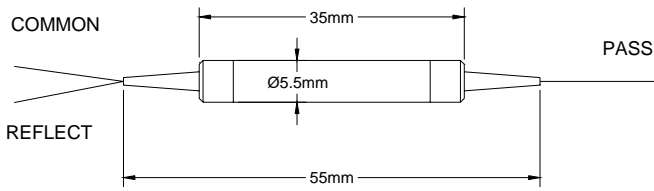Cellular Application
Fiber Optical Amplifier
Access Network

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	≤2.5	≤3.5
	Max	dB	≤2.1	≤3.4	≤4.9
Passband Ripple		dB	<0.3	<0.3	<0.3
Isolation	Adjacent	dB	>30		
	Non-adjacent	dB	>40		
Insertion Loss T S			<0.005		
Wavelength T S		nm/℃	<0.002		
Polarization D L		dB	<0.10		
Polarization M D		ps	<0.20		
Directivity		dB	>50		
Return Loss		dB	>45		
Power Handling		mW	500		
Operating Temperature		℃	0~+70		
Storage Temperature		℃	-40~+85		
Package Dimension		mm	L100 x W80 x H10 (ABS) (LGX) L129xW29x155.5 L120 X W80 X H18 (ABS) (1U Rackmount) L440xH44HxD200		
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 shoulbe +/-0.2mm on all package dimensions unless otherwise
     Custom specified

Package Dimensions

COMMON

PASS

REFLECT

35mm

Ø5.5mm

55mm

10

80

74

70

100

18

115

106

100

140

Ordering Information: CWDM-①-②-③-④-⑤-⑥-⑦

①Confinguration
  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
  Fibe

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