



Three port CWDM Device (e.g. 1550nm)

CWDM-55 is 1550nm CWDM mux or demux device with built-in 1550nm filter which adds 1550nm signal to the com port or drops 1550nm signal from the com port. CWDM-xx series device is ideal to add or drop xx CWDM channel to the fiber optic system.

Features

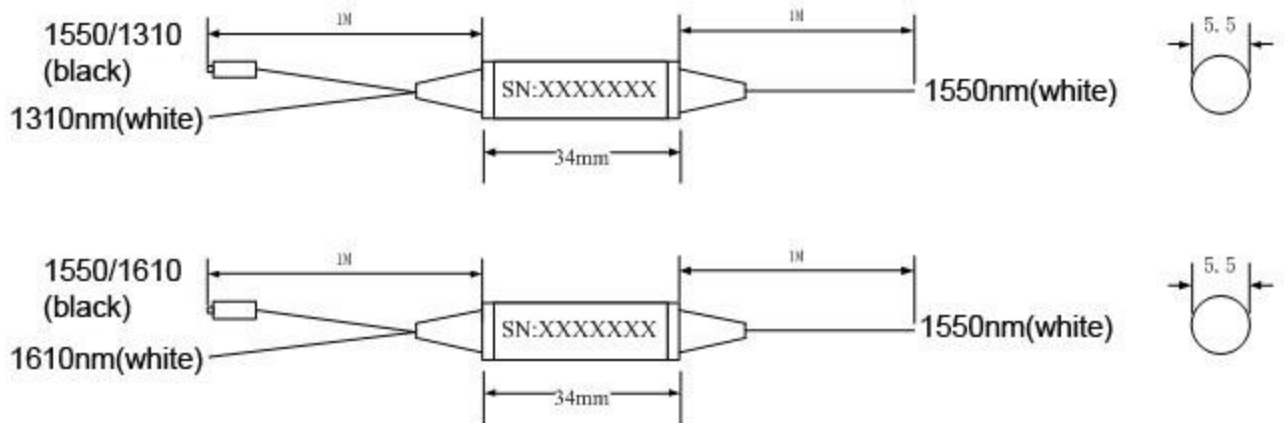
- Low Insertion Loss
- Wide Channel Bandwidth
- High Channel Isolation
- High Stability and Reliability
- Epoxy-Free on Optical Path
- Telcordia GR-1209-CORE-2001
- Telcordia GR-1221-CORE-1999
- RoHS

Specifications

Item		Unit	Parameter	
CWDM Channel Filter Wavelength		nm	1550 or other CWDM wavelength	
Channel space		nm	20	
Input (Reflect) Operating Wavelength		nm	1260~1620	
CWDM Filter Passband	Min	nm	± 7.5	
Reflection-Band		nm	$1260\sim(\lambda_c-12.5)$ & $(\lambda_c+12.5)\sim 1620$	
Insertion Loss	Transmission	Max	dB	0.80
	Reflection	Max	dB	0.60
Isolation	Transmission	Min	dB	30
	Reflection	Min	dB	15
Passband Ripple		Max	dB	0.30
PolarizationDependent Loss		Max	dB	0.10
Directivity		Min	dB	50
Return Loss		Min	dB	50
Polarization Mode Dispersion		Max	ps	0.10
Power Handling		Max	mW	300
Pigtail Type		--	0.9mm loose tube	
Pigtail Color		--	Com port: Black Other ports: white	
Fiber Type		--	SMF-28e	

Connector Type	--	Com port: SC/APC, Other ports: NA
Fiber length	m	1.0
Operating Temperature	℃	-20 ~ 70
Storage Temperature	℃	-40 ~ 85
Package Dimension	mm	5.5×34 or box or 19"1RU

Package drawing:



In the above drawing: CWDM filter is 1550nm (mux or demux channel), the input (reflect) is 1310nm or 1610nm, the com port has all the wavelengths

Packing

Single Channel CWDM Filter Tube with SM fiber pigtail (left below) or Plastic Box (right below)



16 channels CWDM Mux in 19" 1RU chassis

