

SFW series 2 channels WDMs

Description:

The SFW series introduces a range of 2 wavelength division multiplexing (WDM) devices for high data rate applications requiring high wavelength isolation with a low insertion loss. The SFW series WDMs are designed to divide and/or combine different optical wavelengths by combining innovative fused technology. The SFW series are operable additional to the standard transmission windows 1310/1550 nm in wide range of wavelength combinations. Available in a wide variety of packaging configurations, various types of pigtailed and connector terminations are available to meet your requirements.



SFW-C35-BFS-NC

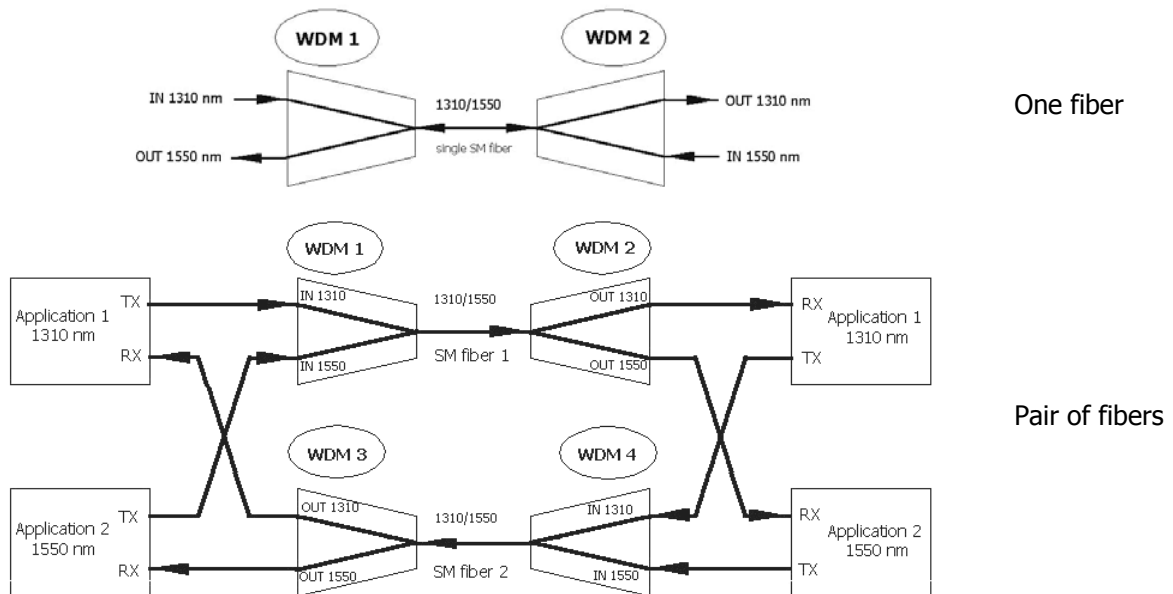
Applications:

- Telecommunications
- Data networks
- CATV
- Testing instruments
- RFTS
- Network monitoring

Features:

- High port isolation
- Custom defined specifications
- Low insertion loss
- Low polarization dependent loss
- Bi-directional transmission with high directivity
- Wide spectral channels
- Environmentally stable
- Wide range of packaging types

Typical applications:



Technical specifications:

Polarization Dependent Loss, dB	≤ 0.1
Directivity, dB	> 55
Temperature Sensitivity (dB/°C)	≤ 0.002
Operating Temperature ¹ , °C	-40 to +85
Storage Temperature ¹ , °C	-55 to +85

Note: 1) Conditioned by the cable type

Wavelength combinations:

λ (nm)	$\Delta \lambda$			bandwidth ± 10 nm	IL ≤ 0.5 dB	Isolation ≥ 15 dB	$\Delta \lambda$			bandwidth ± 15 nm	IL ≤ 0.3 dB	Isolation ≥ 17 dB
	120 nm	140 nm	160 nm				180 nm	200 nm	240 nm			
1290/1410	1290/1430	1290/1450	1290/1470	bandwidth ± 10 nm	IL ≤ 0.5 dB	Isolation ≥ 15 dB	1290/1470	1290/1490	1290/1530	bandwidth ± 15 nm	IL ≤ 0.3 dB	Isolation ≥ 17 dB
1310/1430	1310/1450	1310/1470	1310/1490				1310/1510	1310/1570				
1330/1450	1330/1470	1330/1490	1330/1510				1330/1530	1330/1590				
1350/1470	1350/1490	1350/1510	1350/1530				1350/1550	1350/1610				
1370/1490	1370/1510	1370/1530	1370/1550				1370/1570					
1390/1510	1390/1530	1390/1550	1390/1570				1390/1590					
1410/1530	1410/1550	1410/1570	1410/1590				1410/1610					
1430/1550	1430/1570	1430/1590	1430/1610				1430/1625					
1450/1570	1450/1590	1450/1610										
1470/1590	1470/1610	1470/1625										
1510/1625	1490/1625											

Transmission parameters:

ITEM	WDMs			
	1310/1550			1480/1550
Operating Wavelength, nm	C			D
Stage	E			C
Insertion Loss ¹ , dB	≤ 0.3			≤ 0.7
Isolation, dB	≥ 17			≥ 30
Bandwidth, nm	± 15			± 5

Note: 1) without connectors

Ordering Code:
SFW - XXX - XXX - NC-NC

grade	wavelength ¹ (nm)
CXX standard	X35 1310/1550
DXX 2 stage	X45 1480/1550
EXX 3 stage	

 no input and output connectors
 connector type can be defined according to:
 CON_13-01 (Jumper Ordering Code)

standard fiber/cable length = 1 m

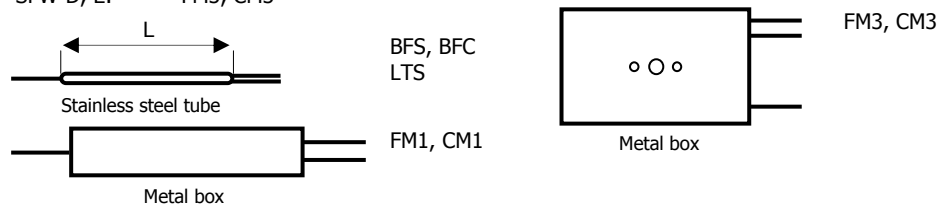
package version I (basic type)	package version II (optional)
BFS Bare fiber 250 μ m, standard tube ² L=54, \varnothing 3 mm	CAPM OPTOKON cassette
BFC Fiber 0.9 mm, compact tube L=70, \varnothing 4 mm	SC splice cassette (TC251S-1X)
LTS Fiber 0.9 mm, standard tube ² L=54, \varnothing 3 mm	SA stand alone (plastic box)
FM1 Fiber type, metal box 100x15x9 mm	RM Rack mounted unit (MCNP-1U)
CM1 Cable type, metal box 100x15x9 mm	WM Wall mounted box (MPIC-4)
FM3 Fiber type, metal box 100x80x10 mm, stackable	
CM3 Cable type, metal box 100x80x10 mm, stackable	

package variants:

 SFW-C: BFS, BFC, LTS, FM1, CM1
 SFW-D, E: FM3, CM3

Note:

- Other λ combination on demand: 29/41 for 1290 and 1410 nm, etc.
- Other tube dimensions on demand


Packaging options:


SFW-E35-CM3-NC



SFW-D47/59-CAPM-NE2S



2x SFW-D35-RM-NE2S