

DWDM band-filter for low loss coupling of 2/5 x 8 channel DWDM wavelengths

- 2/5 channel band filter with 2/5 x 8 DWDM channels
- Low insertion loss $\leq 1,5$ dB and 2,0 dB for 8/16 DWDM channels
- purely passive and protocol transparent up to 100 Gbps
- Ideal for meshed DWDM net topologies
- Only 2/5 ports for 40/80 DWDM wavelength
- Compact design with only one slot in the SPEED-CARRIER system

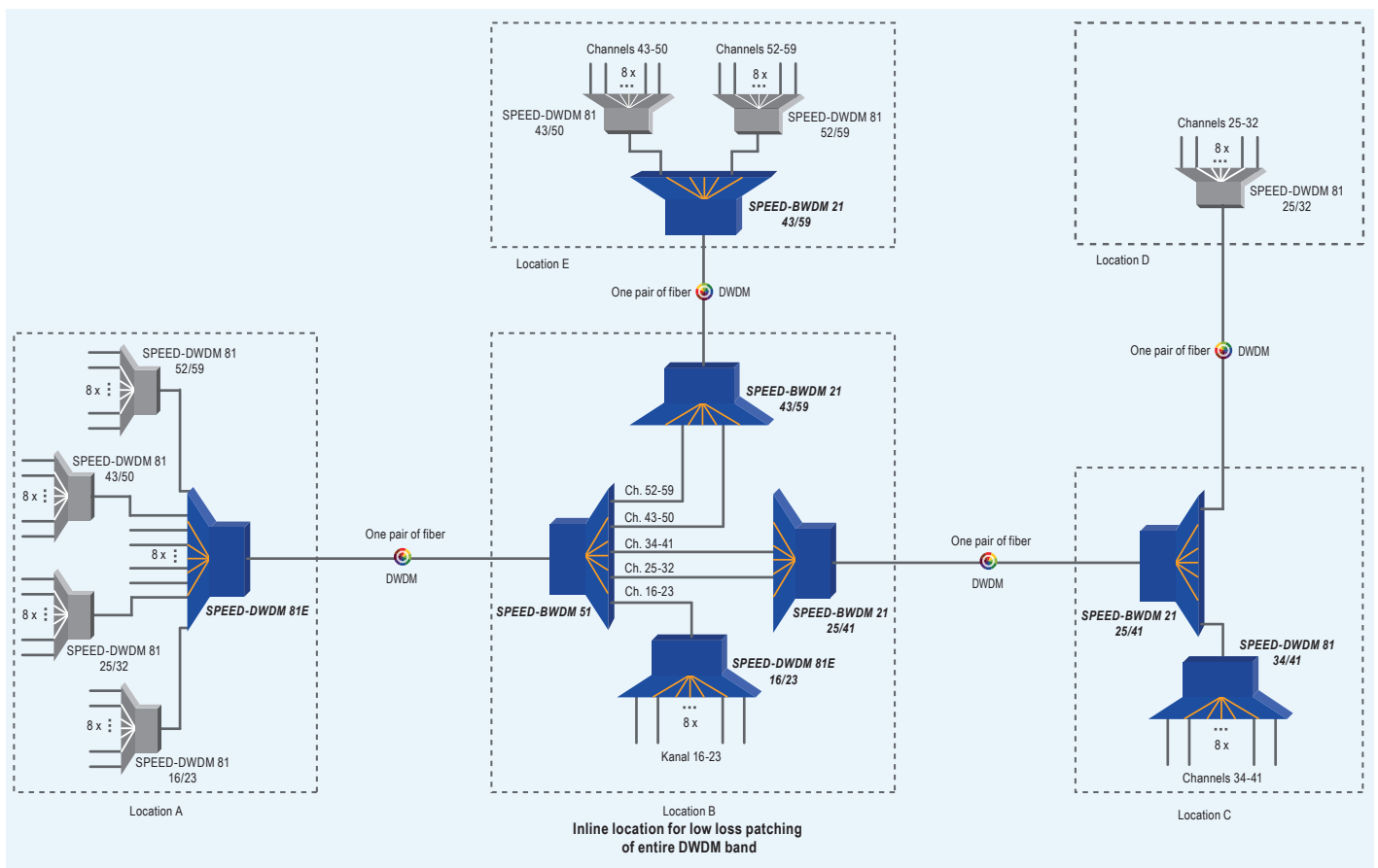


DWDM band filter series with optimized attenuation for coupling of interim locations

The SPEED-BWDM 21/51 is designed as Mux/Demux band-filter module providing five bands, each containing 8 x 100 GHz DWDM channels. At interim locations by interconnection of several DWDM channels

SPEED-BWDM 21/51 offers an easy way to patch DWDM channels in different directions simultaneously. While offering a low insertion loss ≤ 1.5 dB and 2.0 dB for 8 DWDM channels. This state-of-the-art concept reduces the overall

attenuation and number of patches, as it prevents a coupling and decoupling of individual DWDM channels.



Specifications

- General**
- Insertion loss: Max. 1.5 and 2.0 dB
 - Passive mux/demux modules without requiring power supply
 - Operating temperature: 0 to 70°C
 - Humidity: 0 to 95% (non-condensing)
 - Dimensions (H x B x T): 21 x 131 x 190 mm
- Line and client port**
- Line type: single-mode
 - Connector: LC/U/PC
 - Wavelengths of 2/5 client ports:
 - Channel 16-23 (100 GHz)
 - Channel 25-32 (100 GHz)
 - Channel 34-41 (100 GHz)
 - Channel 43-50 (100 GHz)
 - Channel 52-59 (100 GHz)
 - Distance: depending on power budget of user equipment

- Applications**
- Protocol transparent from 10 Mbit/s to 100 Gbit/s
 - Suitable for 100 GHz and 50 GHz DWDM systems

- Housing types**
- 14 slot SPEED-CARRIER 1U
 - 16 slot SPEED-CARRIER 5U
 - 1 slot SPEED-STANDALONE
 - Further housing types (e.g. rail mounting), connector types, number of channels etc. are available on request

- Ordering option**
- S-BWDM-51-16/59-A SPEED-BWDM-51
 - S-BWDM-21-25/41-A SPEED-BWDM-21
 - S-BWDM-21-43/59-A SPEED-BWDM-21

- Combinable SPEED products**
- SPEED-MODEM FO
 - SPEED-DUALLINE SFP
 - SPEED-DUALLINE SFP 3R
 - SPEED-DUALLINE SFP 3R PROTECT
 - SPEED-AMP EDFA
 - SPEED-AMP RAMAN
 - SPEED-DUALLINE FC SFP
 - SPEED-SINGLELINE XFP
 - SPEED-SINGLELINE XFP 3R
 - SPEED-DUALLINE FC XFP
 - SPEED-DUALLINE 10GE
 - SPEED-SINGLELINE SFP
 - SPEED-MUX 10G
 - SPEED-MUX 10GE

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