

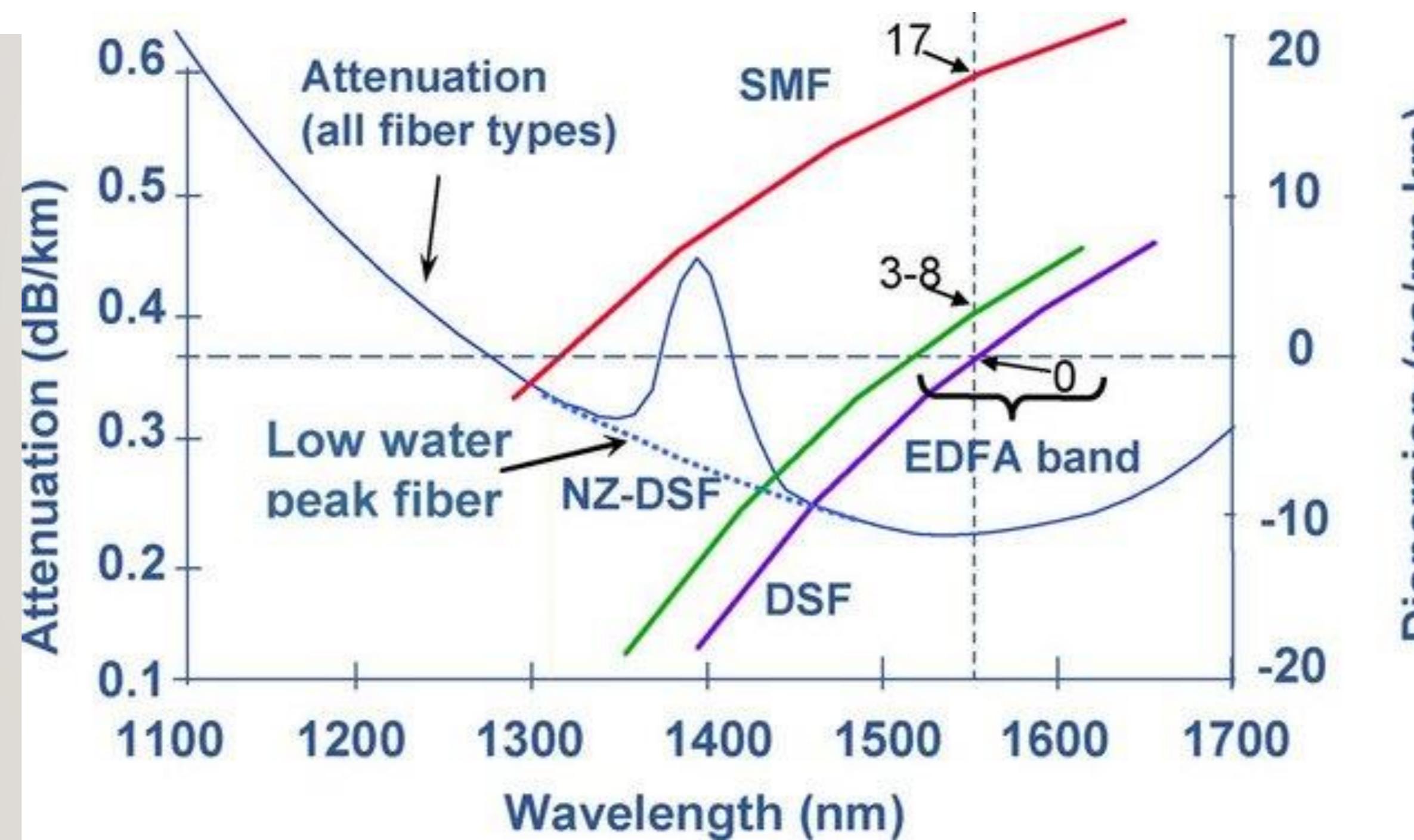
SISTEM KOMUNIKASI OPTIK

- MATERI 10
- KOMPONEN CWDM
- D3 Teknologi Telekomunikasi – Fakultas Ilmu Terapan



KOMPONEN CWDM

Serat Optik



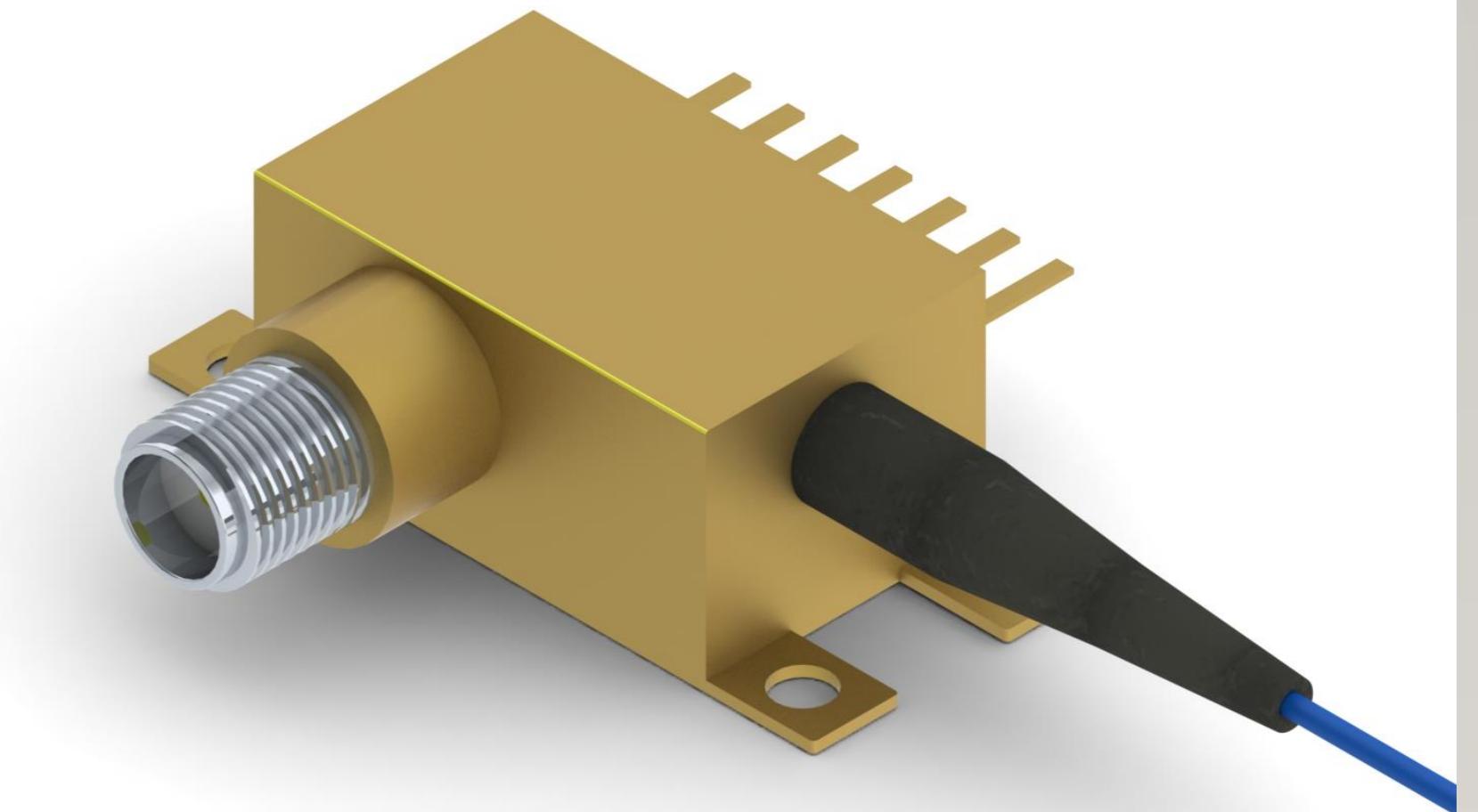
Sumber Referensi :

https://www.researchgate.net/publication/3244500_Optical_Transmission_Fiber_Design_Evolution/figures?lo=1
Gerd,Keiser.,2010, *Optical Fiber Communications*, 4th edition,McGraw Hill, International Edition

KOMPONEN CWDM

Laser

- *Direct Modulated CWDM Lasers*
- Keuntungan DFB adalah lebar garisnya sempit dengan tekanan sisi yang tinggi, sehingga menimbulkan dispersi yang rendah



Sumber Referensi :

<http://rofiber.com/product/directly-modulated-laser-diode/>
Gerd,Keiser.,2010, *Optical Fiber Communications*, 4th edition, McGraw Hill, International Edition

KOMPONEN CWDM

► Receiver

- Receiver membutuhkan lebar pita yang lebih besar yang dapat menangkap semua bit-rate dan protokol yang ditetapkan



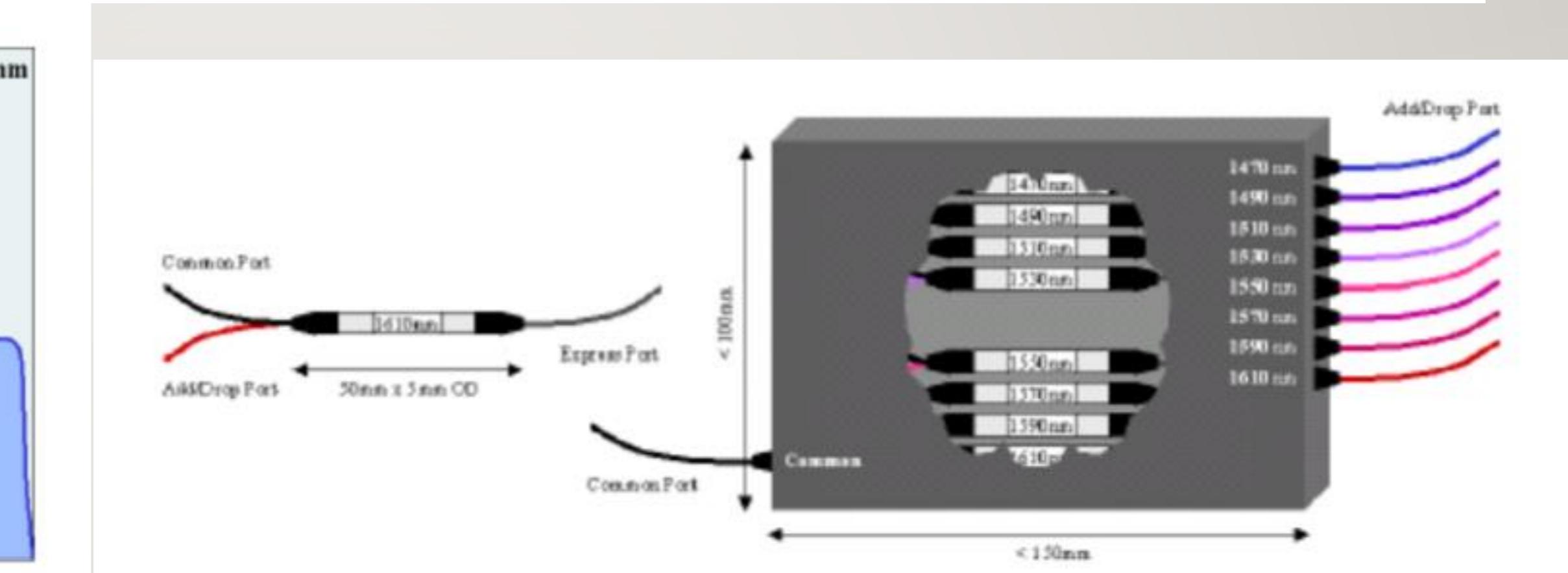
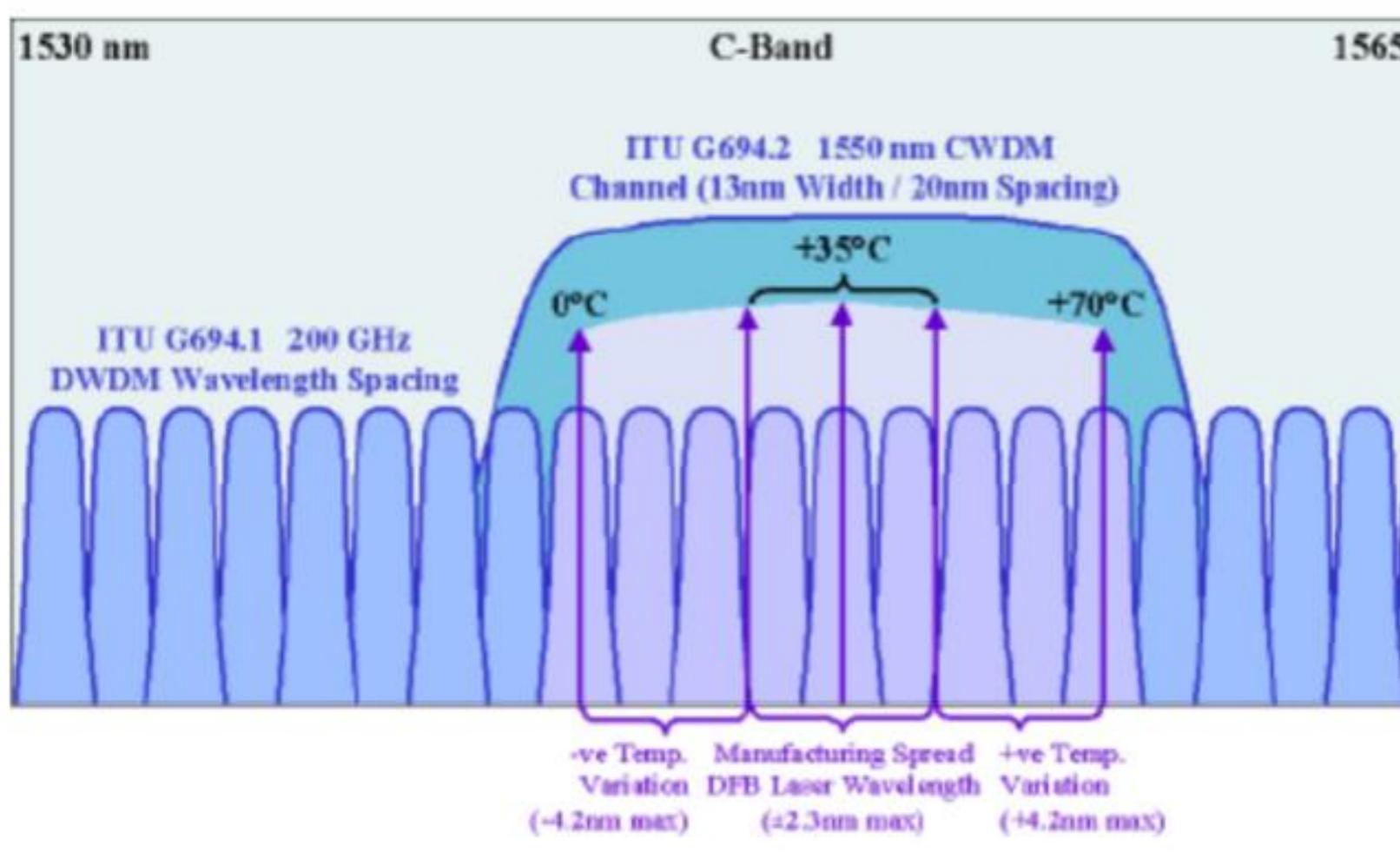
Sumber Referensi :

<https://www.pinterest.com/pin/750623462877689436/>

Gerd,Keiser.,2010, *Optical Fiber Communications*, 4th edition, McGraw Hill, International Edition

KOMPONEN CWDM

Filter



Sumber Referensi :

<http://rofiber.com/product/directly-modulated-laser-diode/>
Gerd,Keiser.,2010, *Optical Fiber Communications*, 4th edition, McGraw Hill, International Edition

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