

Wavelength Blocker & Equalizer WBE-300

Santec's wavelength blocker is designed for reconfigurable OADM solutions in next generation optical communication networks. The units can attenuate or block any number of wavelengths at 100GHz or 50GHz spaced DWDM nodes. The internal optical block has no moving parts, which achieves high operation stability and long term reliability.



Features

- ▶ Per Channel attenuation or blocking
- ▶ Wide passband with flat-topped channel profile
- ▶ C-band or L-band at 100GHz or 50GHz spacing
- ▶ High extinction ratio
- ▶ No moving parts

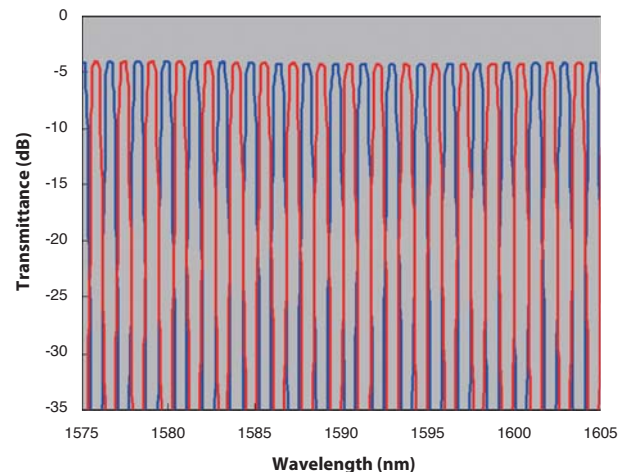
Applications

- ▶ Reconfigurable OADM
- ▶ Network management (protection and restoration)
- ▶ Dynamic channel power equalization

Specifications

| Parameters | Specifications | |
|------------------------------|----------------|------------|
| Insertion loss | Max | 6 dB |
| Inter-channel uniformity | Max | 1 dB |
| Polarization dependent loss | Max | 0.5 dB |
| Attenuation range | | 0 to 15 dB |
| Extinction ratio | Min | 40 dB |
| 3dB passband | Min | 70 GHz |
| Ripple | Max | 0.25 dB |
| Optical return loss | Min | 40 dB |
| Chromatic dispersion | Max | ±10 ps/nm |
| Polarization mode dispersion | Max | 0.3 ps |

Spectrum Example (100GHz spacing)



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