

# 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

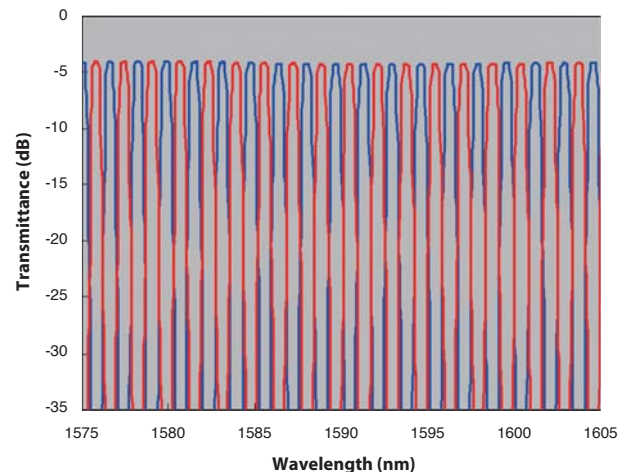
### Applications

- ▶ 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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