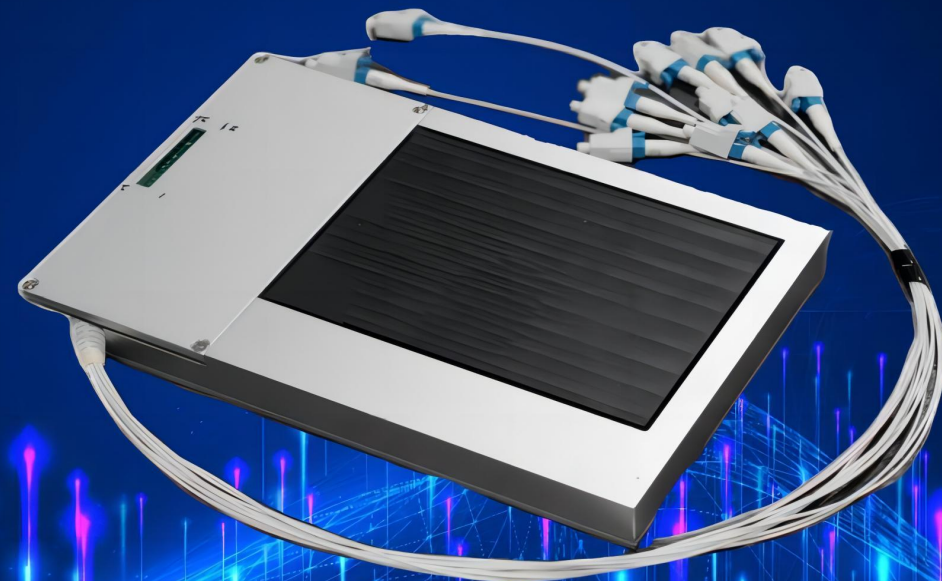


贝耐特光学 波长选择开关

Wavelength Selective Switch

<http://www.bilightech.com/>

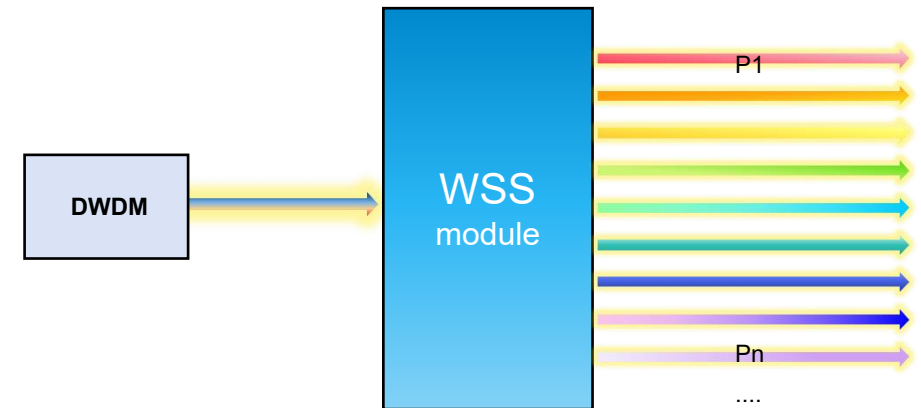
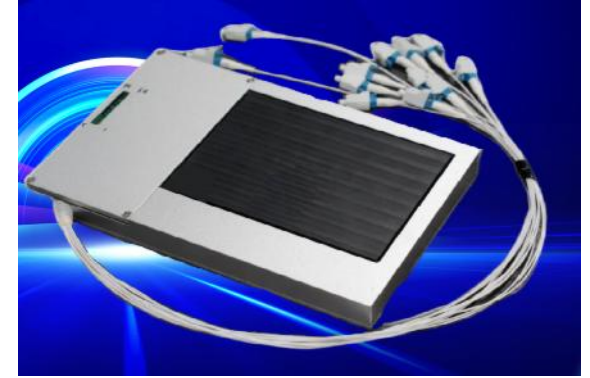


Wavelength Selective Switch (WSS)

Wavelength selective switch(WSS) is one of the core optical devices of the next-generation Reconfigurable Optical Add-Drop Multiplexer(ROADM) and optical cross-connect(OXC) in all-optical networks. It has Colorless, Directionless, Contentionless, Flexible Grid(CDC-F) and other all-optical signal processing functions, and can support any port wavelength and arbitrary uplink and downlink functions.

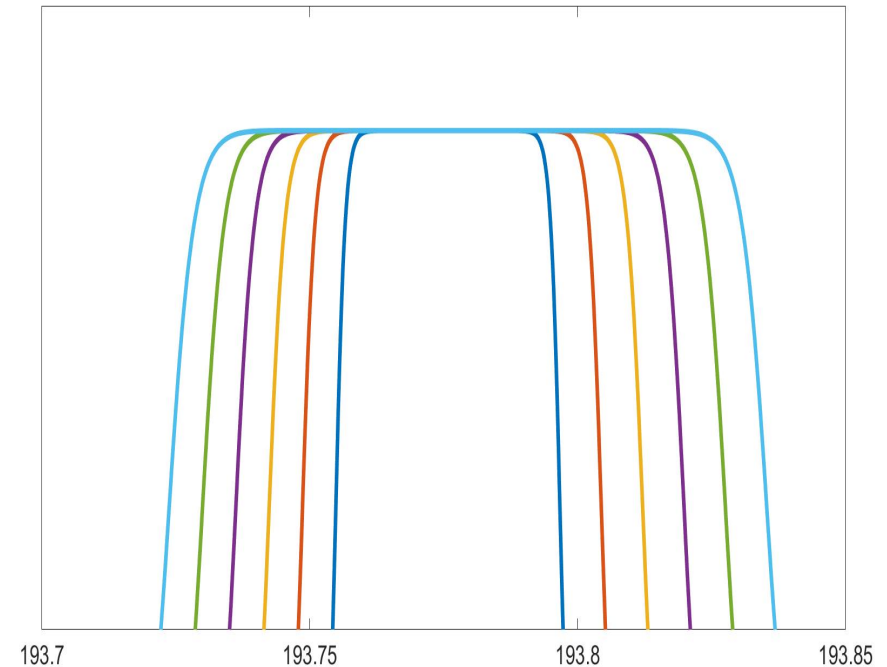
Features

- Alternate common port
- Flexgrid Dynamic Channel Width Control (fully ITU flexible grid G.694.1-compliant)
 - 6.25GHz Width Resolution (default, 3.125GHz)
 - No constraints on the spectrum allocated to a super-channel
 - Hitless channel widening, narrowing and migration with 6.25 GHz resolution
- Flexgrid Dynamic Attenuation Control
 - 6.25 GHz Resolution
 - 0-15dB Range
 - Hitless channel and intra-channel power equalization
- LCoS Switching Technology
 - Frequency range: 6THz (dault)-wider frequency range up to 12THz (C+L) can be supported
 - TrueFlex grid-less operation to 6.25GHz granularity or less
 - Intra-channel "slice" attenuation control
 - Future-ready support for coherent 40G, 100G, super channels and beyond
 - Very high spectral resolution for node cascability
 - Low profile (20 mm) package available for single-slot blade design



Applications

- ROADM all-optic Network
- Programmable Optical Filters
- Flex-grid High Resolution Optical Channel Monitor
- Colorless Directionless Add or Drop
- Arbitrary spectral shape filtering
- Dispersion compensation
- Laser pulse compression and shaping
- Dynamic Gain Equalization
- Power distribution and broadcasting
- Multiplexer/demultiplexer



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