

WaveShaper update

15 June 2020

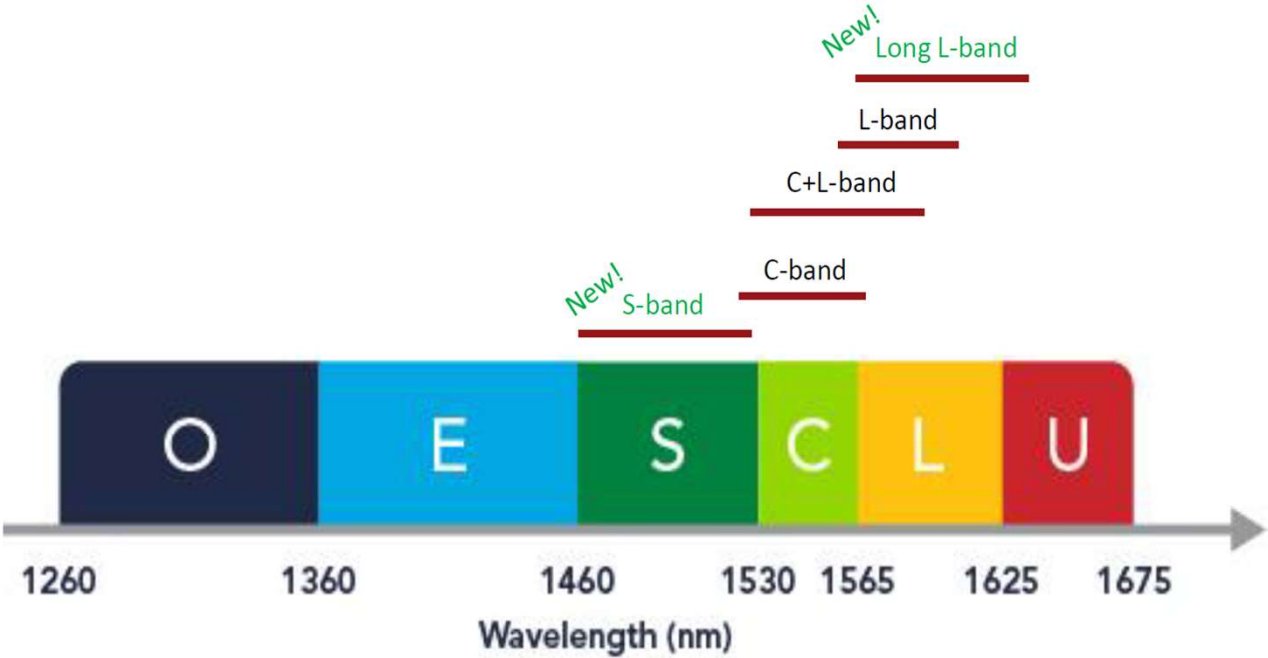
Topic

- **WaveShaper**

- Programmable Optical Filtering**

- **New Wavelength Bands**

Wavelength bands: WaveShaper coverage



WaveShaper S-band

■ Key Specifications

- Port configuration
 - WaveShaper 1000A: 1 x 1
 - WaveShaper 4000A: 1 x 4
- Operating range: 1468 nm to 1528 nm (Targeting 1466 nm to 1528 nm)
- Insertion loss: <7.0dB (Targeting 6.5dB)
- PDL: <0.8dB
- Filter shape: Arbitrary (Attenuation and Phase)
- Optical Transfer Function: 20 GHz (minimum filter width)
- Group Delay Control Range: -15 ps to +15 ps

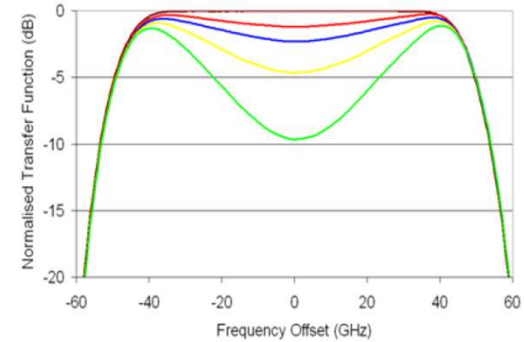


WaveShaper					
Type	C-band	L-band	C+L band	Long L band	S-band
Port configuration	1x1, 1x4, 1x19 / 4x16	1x1, 1x4			
Wavelength range	1526.0 nm to 1568.7 nm	1569.2 nm to 1610.0 nm	1527.4 nm to 1600.8 nm	1570.0 nm to 1640 nm	1468.0 nm to 1528 nm
Insertion loss	< 5 dB		< 6.5 dB	< 7.0dB (Targeting <6.5dB)	
Group Delay Range	+/- 25 ps		+/- 15 ps		
Polarization Dependent Loss (PDL)	< 0.4 dB		< 0.8 dB	< 0.8dB	
Filter shape	Arbitrary Amplitude Arbitrary Phase				
Interfaces	Gigabit Ethernet, USB 2.0				
Chassis	Benchtop, Rack-mount, Module				
Fiber	Standard Single-Mode; FC/APC or FC/PC				
Availability	Released products, orderable			New products! Can be ordered today; Delivery: 6 to 8 weeks	

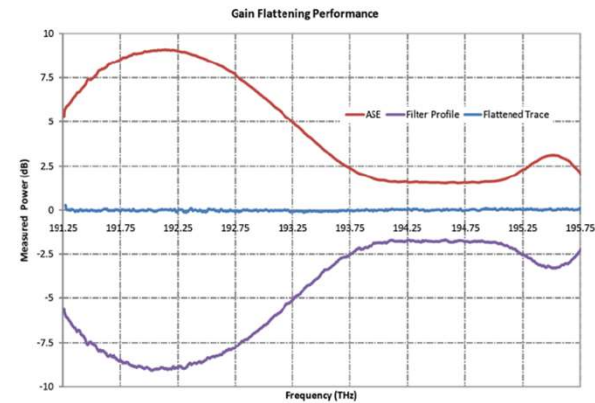
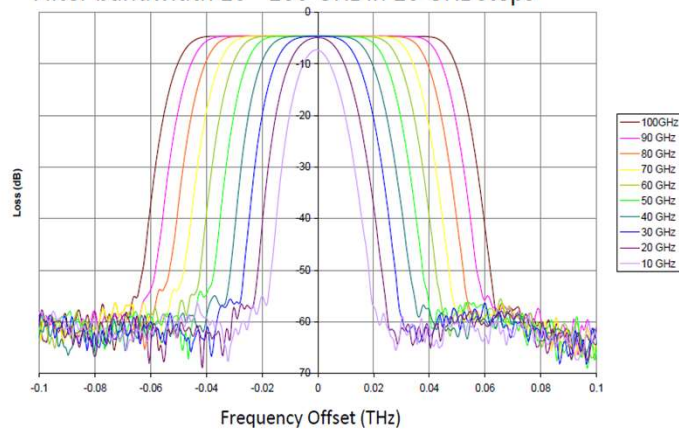
sevensix Inc.

Arbitrary Filter Shaper

- Any shape programmable
 - Loss and group delay
- Minimum Resolution bandwidth: about 11 GHz



Filter bandwidth 10 - 100 GHz in 10 GHz steps



Thank you!

セブシックス株式会社
www.sevensix.co.jp
info@sevensix.co.jp
03-6721-1077

sevensix

think next.