WaveShaper

Specifications for 1x4 Multiport Optical Processor

Optical Ports	Port Configuration	1x4 (One input, 4 output or vice versa)
Filter Control	Operating Frequency Range	C-Band
	Filter Bandwidth	10 GHz – 5 THz
	Filter Shape	Arbitrary
	Frequency Setting Resolution	Atleast ±1 GHz (±8 pm)
	Frequency Setting Accuracy	Atleast ±2.5 GHz (±20 pm)
	Bandwidth Setting Resolution	Better than ±1 GHz (±8 pm)
	Bandwidth Setting Accuracy	Better than±5 GHz (±40 pm)
	Bandwidth Setting Repeatability	Better than ±2.5 GHz (±20 pm)
	Group Delay Control Range	-25 ps to +25 ps
	Attenuation Control Range	0 to 35 dB
	Attenuation Setting Resolution	At least 0.01 dB
	Settling Time	<500 ms
Loss andDispersion	Insertion Loss	<5 dB
	Return Loss	>25 dB
Optical Power	Max Total Input Optical Power	Upto +27 dBm
	Max Optical Power per 50 GHz channel	Upto +13 dBm
Electrical	Communications Interface	Ethernet (GbE), USB 2.0
Mechanical	Connector Interface	FC/UPC, FC/APC
Software	Necessary software to control the Programmable Optical Processor should be provided with the system	
Warranty	3 years	