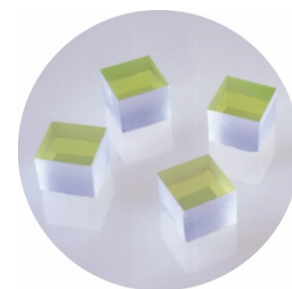


## LAN WDM Filter

Auxora's Local Area Network Wavelength Division Multiplexing (LAN WDM) filters multiplex and de-multiplex wavelength signals in 5G Fronthaul networks ,WDM-PON Networks and use in 100G, 200G, 400G optical links.

Auxora supplies a large range of standard and customized LWDM filters.



### SPECIFICATIONS

Parameters	Unit	Value
Operating Wavelength Range	nm	1260 ~ 1360
Center Wavelength ( $\lambda_c$ )	nm	1269.23、1273.54、1277.89、1282.26、 1286.66、1291.10、1295.56、1300.05、 1304.58、1309.14、1313.73、1318.35
Channel Spacing	GHZ	800
Pass Band Width @ -0.3dB (PB)	nm	$\geq \pm 1.2$
Adjacent Channel Isolation	dB	$\geq 25$
Non-Adjacent Channel Isolation	dB	$\geq 35$
Max. Insertion Loss within PB	dB	$\leq 0.3$
Transmission IL Variation within PB	dB	$\leq 0.2$
Reflection Isolation within PB	dB	$\geq 13$
Transmission PDL within PB	dB	$\leq 0.1$
CW Temp. Sensitivity	pm/°C	$\leq 2$
Reflection (AR coating on backside)	%	$\leq 0.2$
AOI	degrees	1.8
Dimension(LxWxH)	mm	1.4 $\pm$ 0.1 x 1.4 $\pm$ 0.1 x 0.9~1.4 or 1.2 $\pm$ 0.1 x 1.2 $\pm$ 0.1 x 0.9~1.4
Storage Temperature	°C	-40 ~ 85
Wedge	degrees	0.4 $\pm$ 0.2

### Ordering Information: (e.g.ALF-01869S)

ALF-	XXX	XX	X
	AOI	Center Wavelength	Dimension
	018=1.8 degree	1269.23=69	S=1.0 $\pm$ 0.1x1.0 $\pm$ 0.1x0.9~1.4
	XXX=Custiomized	1273.54=73	M=1.4 $\pm$ 0.1x1.4 $\pm$ 0.1x0.9~1.4
		.....	X=Customized
		1318.35=18	