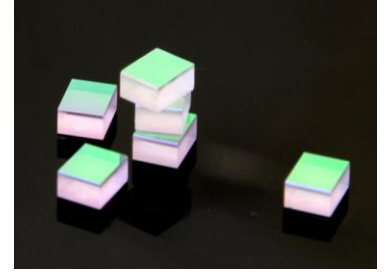


## CWDM Filter

Auxora's Coarse wavelength division multiplexing (CWDM) filters multiplex and de-multiplex wavelength signals in metropolitan networks, access networks, enterprise networks, cable networks and wireless backbone. Auxora supplies a large range of standard and custom CWDM filters



### SPECIFICATIONS

Parameters	Unit	Value
Operating Wavelength Range	nm	1260 ~ 1620
Center Wavelength ( $\lambda_c$ )	nm	1470,1490,...,1610 or 1471,1491,...,1611
Channel Spacing	nm	20
Pass-band Width (PB)	nm	$\pm 7.0$
Reflection-band (RB)	nm	$1260 \sim (\lambda_c - 12.5)$ & $(\lambda_c + 12.5) \sim 1620$
Adjacent Channel Isolation	dB	$\geq 30$
Non-Adjacent Channel Isolation	dB	$\geq 45$
Max. Insertion Loss within PB	$^{\circ}\text{C}$	$\leq 0.35$
Transmission IL Variation within PB	dB	$\leq 0.25$
Reflection Isolation within PB	dB	$\geq 13$
Transmission PDL within PB	dB	$\leq 0.1$
CW Temp. Sensitivity	pm/ $^{\circ}\text{C}$	$\leq 2$
Reflection (AR coating on backside)	%	$\leq 0.2$
AOI	degrees	1.8
Dimension(LxWxH)	mm	$1.4 \pm 0.1 \times 1.4 \pm 0.1 \times 0.9 \sim 1.4$
Storage Temperature	$^{\circ}\text{C}$	-40 ~ 85
Wedge	degrees	$0.4 \pm 0.2$

### Ordering Information: (e.g.ACF-0181271S)

ACF-	XXX	XXXX	X
	AOI	Center Wavelength	Dimension
	018=1.8 degree	1271=1271	S= $1.4 \pm 0.1 \times 1.4 \pm 0.1 \times 0.9 \sim 1.4$
		1291=1291	M= $1.4 \pm 0.1 \times 1.4 \pm 0.1 \times 0.9 \sim 1.4$
		.....	X=Customized
		1611=1611	