

## Mini CWDM Device

Auxora's mini CWDM device demonstrates low loss and reliable performance. The device possesses broad pass bands and high isolation, ideal for functioning with inexpensive and uncooled lasers, which enables it to be low cost product suitable for CATV and metro/access network applications. Easily customizable, Auxora's CWDM device can be configured by standard packaging and connector options.



### FEATURES

- Mini Size
- Low insertion loss
- High channel isolation
- Exceptional reliability and stability
- Epoxy free optical path
- Telcordia GR-1221 and GR1209 compliant

### APPLICATIONS

- Access networks
- Metro WDM systems
- Fiber optic instruments
- Telecommunications
- Add/Drop channels

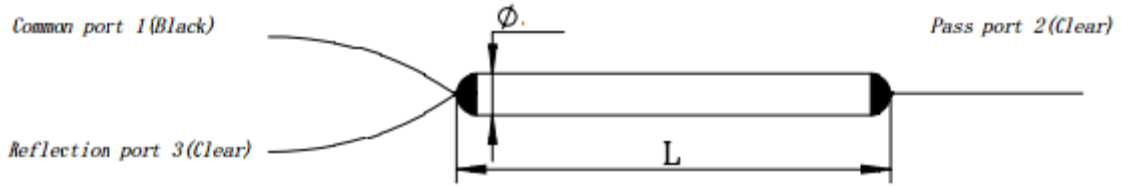
### SPECIFICATIONS

Items		Unit	Parameters
Normal Information	Operating Wavelength	nm	1260-1620
	Channel Spacing	nm	20nm ITU Grid
Port of Transmission (Port1 => Port2)	Channel Passband	nm	$\lambda_c \pm 6.5$
	Transmission Insertion Loss	dB	$\leq 0.6$
	Adjacent Channel Isolation	dB	$\geq 30$
	Non-Adjacent Channel Isolation	dB	$\geq 45$
	Passband Ripple	dB	$\leq 0.3$
	Polarization Dependent Loss	dB	$\leq 0.1$
Port of Reflection (Port1 => Port3)	Reflection Insertion Loss	dB	$\leq 0.4$
	Reflection Channel Isolation	dB	$\geq 14$
	Reflection Band Ripple	dB	$\leq 0.20$
	Polarization Dependent Loss	dB	$\leq 0.1$
Others	Directivity	dB	$\geq 50$
	Return Loss	dB	$\geq 50$
	Polarization Mode Dispersion	ps	$\leq 0.20$
	Power Handling	mW	$\leq 500$
	Tensile Load	N	$\leq 5$
	Operating Temperature	°C	0~70
	Storage Temperature	°C	-40~85
	Package Dimensions	mm	$\Phi 3.0 \times L25$
Fiber type	--	SMF-28e+ or ITU-T G657.A	

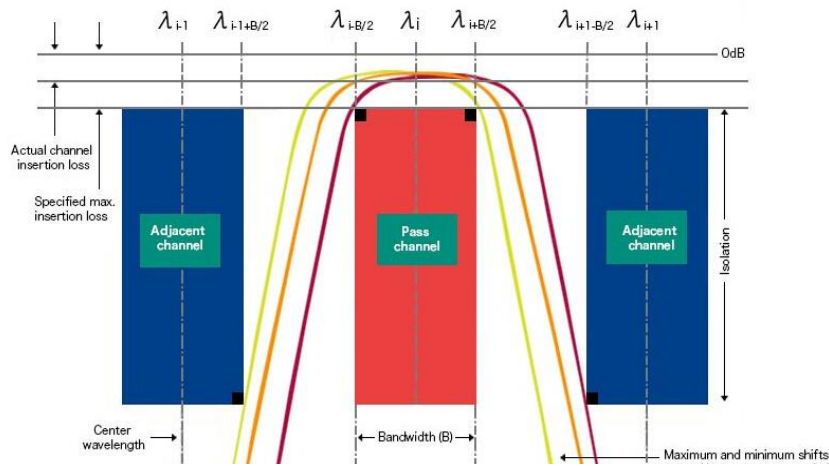
### NOTES:

- 1) All specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.
- 2) PMD and chromatic dispersion values are guaranteed by design.
- 3) IL is 0.3 dB higher, RL is 5 dB lower for each connector added

**Packing Dimensions(mm)**



**Spectrogram(e.g. typical curve)**



**Ordering Information: (e.g.ACD-1122740610-101010-000)**

ACD-	X	XX	XX	X	XX	X	-	XX	XX	XX	-	X	X	X
	ITU	Port Configuration	Wavelength	Package	Fiber Type	Fiber Jacket		Fiber Length				Connector		
								Common	Pass	Reflect		Common	Pass	Reflect
	0=0 Serial	11=1x1	27=1270/1271	4=3.0x25	06=G657.A1	0=250um Bare fiber		10=1.0m	10=1.0m	10=1.0m		0=None	0=None	0=None
	1=1 Serial	12=1x2	29=1290/1291	X=Customized	07=G657.A2	1=900um loose tube		12=1.2m	12=1.2m	12=1.2m		1=FC/UPC	1=FC/UPC	1=FC/UPC
		24=2x4	.....		XX=Customized	2=2.0mm Cable		.....	.....	.....		2=FC/APC	2=FC/APC	2=FC/APC
		XX=Customized	59=1590/1591			3=3.0mm Cable		15=1.5m	15=1.5m	15=1.5m		3=SC/UPC	3=SC/UPC	3=SC/UPC
			61=1610/1611			X=Customized		NA=N/A	NA=N/A	NA=N/A		4=SC/APC	4=SC/APC	4=SC/APC
								XX=Customized	XX=Customized	XX=Customized		5=LC/UPC	5=LC/UPC	5=LC/UPC
												6=LC/APC	6=LC/APC	6=LC/APC
												X=Customized	X=Customized	X=Customized