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# **Product Specification**

**Product Name: CWDM MUX**

**Specification: 8 Port MUX DE MUX CONFIGURATION**

## ▣ Features

- Low insertion Loss
- Low PDL
- High channel isolation
- Excellent environmental reliability

## ▣ Applications

- WDM system
- CATV
- MAN(Metropolitan Area Network)

## ▣ Specifications

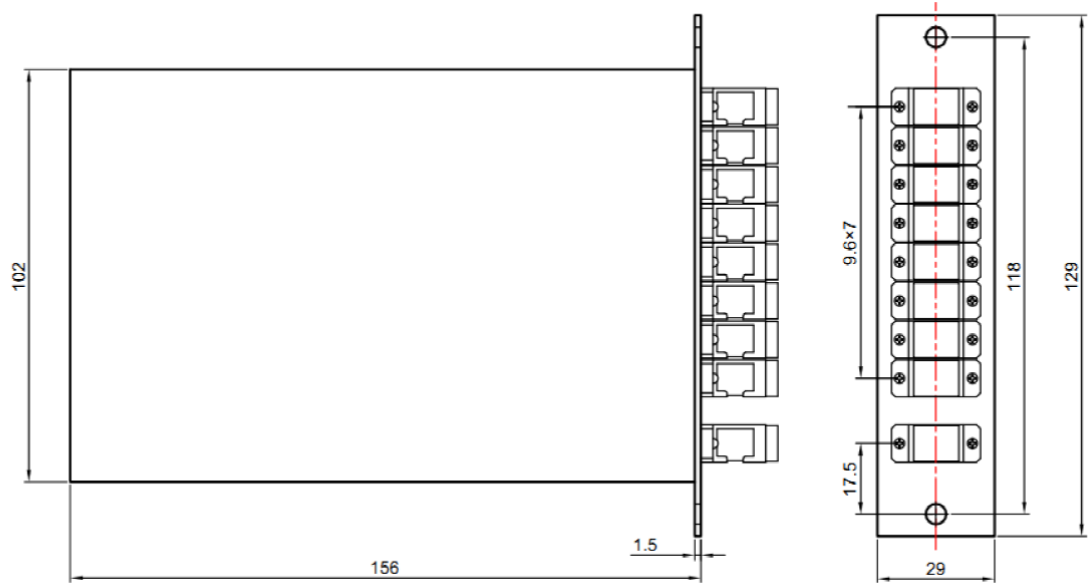
Parameters	Unit	CWDM Module				
Wavelength Range	nm	1260 ~ 1620				
Channel Center Wavelength	nm	1270 / 1290 / ... / 1610 or 1271 / 1291 / ... / 1611				
Channel Spacing	nm	20				
Channel Passband	nm	$\lambda_c \pm 6.5$ or $\lambda_c \pm 7$				
Channel No.	$\lambda$	2	4	8	16	18
Insertion Loss	dB	$\leq 0.8$	$\leq 1.5$	$\leq 2.5/\star 1.8$	$\leq 5.2/\star 3.5$	$\leq 6.4/\star 3.9$
Adjacent Channel Isolation	dB	$\geq 30$				
Non-adjacent Channel Isolation	dB	$\geq 40$				
Wavelength thermal stability	nm/ °C	$\leq 0.003$				
Insertion loss thermal stability	dB/°C	$\leq 0.005$			$\leq 0.007$	$\leq 0.008$
PDL	dB	$\leq 0.1$	$\leq 0.15$	$\leq 0.15$	$\leq 0.20$	$\leq 0.25$
Polarization mode dispersion	ps	$\leq 0.1$			$\leq 0.15$	
Directivity	dB	$\geq 50$				
Return loss	dB	$\geq 45$				
Optical Power	mW	$\leq 500$				
Operating Temperature	°C	-10 ~ +70				
Storage Temperature	°C	-40 ~ +85				
Relative Humidity	%	5 ~ 95				
Dimension		LGX Box				

**Note: 1. Customization is available.**

**2. Insertion loss value after “/★” is “with skip filter” .**

**3. Specified without connector, and add an additional 0.2dB loss per connector.**

➤ LGX



Optical path connection diagram

