

## High Isolation 1260-1620nm 1x2 CWDM

High Isolation 1260-1620nm 1x2 Coarse Wavelength Division Multiplexer (CWDM) is a fiber component built with thin-film filter technology, it allows one specific CWDM wavelength to pass and reflect the other, the pass band and reflect band isolation can be higher than 45dB, it's widely used in WDM access network and fiber amplifier systems, the PM and MM type is available upon request.

### Application:

Telecommunication  
WDM Access Network  
Fiber Optic Amplifier  
Lab And Research

### Features:

Epoxy Free  
High Isolation  
Low Insertion Loss  
Optical Path Reversibility



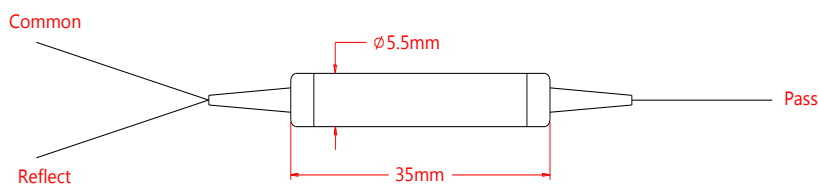
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1260-1620	nm
Channel Spacing		20	nm
Pass Band		$\pm 6.5$	nm
Max. Insertion Loss @Pass Channel	IL	0.7	dB
Max. Insertion Loss @Reflect Channel	IL	0.5	dB
Min. Isolation @Pass Channel	Iso	45	dB
Min. Isolation @Reflect Channel	Iso	45	dB
Max. Insertion Loss Temperature Sensitivity		0.5	dB
Max. Polarization Dependent Loss	PDL	0.1	dB
Max. Polarization Mode Dispersion	PMD	0.1	ps
Min. Directivity		50	dB
Min. Return Loss	RL	45	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		SMF-28e fiber	-
Operating Temperature	T	-5~75	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L35$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

### Drawing:



### Ordering Information (Part Number):

HICWDM- <b>WWW</b> -D-J-LL-CC				
<b>WWW</b>	<b>D</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Package Dimension	Fiber Jacket	Fiber Length	Connector
1270 - 1270nm	1 - $\Phi 5.5 \times L35$ mm	B - 250um Bare Fiber	05 - 0.5m	NE - None
1290 - 1290nm	2 - 90x20x10mm	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
.	S - Specify	2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
.		3 - 3.0mm Loose Tube	20 - 2.0m	SA - SC/APC
.			SS - Specify	SU - SU/APC
1590 - 1590nm				LA - LC/APC
1610 - 1610nm				LU - LC/UPC
				SS - Specify