

Insert type CWDM coarse wavelength division multiplexer specification



一、 product description

CWDM is using optical multiplexers to re-use different wavelengths of light into a single fiber-transmitted signal. At the receiving end of the link, the mixed signal is decomposed into signal splits in the fiber by means of an optical demultiplexer. Different wavelengths are connected to the corresponding receiving device.

二、 feature

Low insertion loss

High isolation

Low PDL

Compact design

Good channel-to-channel consistency

Wide operating wavelength: 1270-1610nm

Wide working temperature: -20 ° C ~ 70 ° C

High reliability and stability

三、 Application field

CWDM system

PON network

Cable chain

四、 technical parameter

parameter	4 channels	6 channels	8 channels
Center wavelength (nm)	ITU or ITU+1(Customizable starting wavelength)		
Product Features	Mux or Demux or Mux&Demux		
Channel wavelength (nm)	1270~1610		
Center wavelength accuracy (nm)	±0.5		
Channel spacing (nm)	20		
Channel passband (@ -0.5dbbandwidth (nm)	>14		
Insertion loss (dB)	≤1.4	≤2.6	≤3.0
Channel uniformity (dB)	≤0.5	≤0.5	≤0.5
Channel ripple (dB)	0.3		
Isolation (dB) Adjacent	>30	>30	>30
Isolation (dB) Non adjacent	>40	>40	>40
Polarization dependent loss (dB)	<0.2		
Polarization mode dispersion (PS)	<0.1		
Directionality (dB)	>50		
Return loss (dB)	>45		
Connector type	LC/APC 或客户指定		
Maximum power (mW)	500		
Operating temperature (°C)	-20~70		
Storage temperature (°C)	-40~85		
Package type (mm)	LGX、 Box, rack or customer designation		
Package size (mm)	LGX:201x256x44 or 155x100x29 Box : 100x80x10 or 120x80x18 or 141x120x28		



SHENZHEN SEACENT PHOTONICS CO.,LTD.

www.seacentfiber.com

—

	rack : 1U: 484x260x44 or 2U: 482x260x88
--	---