2×4CH CCWDM MUX/DEMUX

Description

The Gigalight 2×4CH CCWDM (Compact CWDM) MUX/DEMUX is a double 4-channel CWDM device with super compact package (equivalent to the integration of two 4CH CCWDM in one module) designed for cost-effective multi-wavelength CWDM network applications. It is based on the Thin Film Filter (TFF) technology and operates at 20nm channel spacing ITU Grid CWDM wavelengths from 1270nm to 1610nm. Gigalight provides a series of customized 2×4CH CCWDM MUX/DEMUX devices packaged in metal box to meet different requirements on port configuration (1310nm and upgrade ports available), operating wavelength, fiber type, fiber length, input connector, and output connector.

Features

- ✓ Low Insertion Loss (IL)
- ✓ High isolation
- ✓ Low Polarization Dependent Loss (PDL)
- ✓ 2×4 channels CCWDM with super compact design
- ✓ Good channel-to-channel uniformity
- ✓ Wide operating wavelength range
- ✓ High reliability and high stability
- ✓ Telcordia GR-1209-CORE-2001 compliant
- ✓ Telcordia GR-1221-CORE-1999 compliant
- ✓ ITU-T G.694.2 compliant
- ✓ RoHS-6 compliant (lead free)

Applications

- ✓ Broadband Networks
- ✓ Metro Networks
- ✓ CATV Systems

Specifications

Parameters	2×4CH CCWDM MUX/DEMUX[1]
Center Wavelength (nm)	1270~1610
Operating Wavelength (nm)	1260~1620
Channel Space (nm)	20
Channel Passband @0.5dB (nm)	ITU±6.5
Channels Insertion Loss (dB)[2]	<1.4
Adjacent Channels Isolation (dB)	>30
Non-Adjacent Isolation (dB)	>40
Directivity (dB)	>50
Return Loss (dB)	>45
Ripple (dB)	<0.4
Polarization Dependent Loss (dB)	<0.2
Polarization Mode Dispersion (ps)	<0.1
Maximum Optical Power (mw)	300
Operating Temperature (℃)	-5 ~ 75
Storage Temperature (℃)	-40 ~ 85
Package (mm) (L×W×H)	A3 Metal Box: 49×25×8

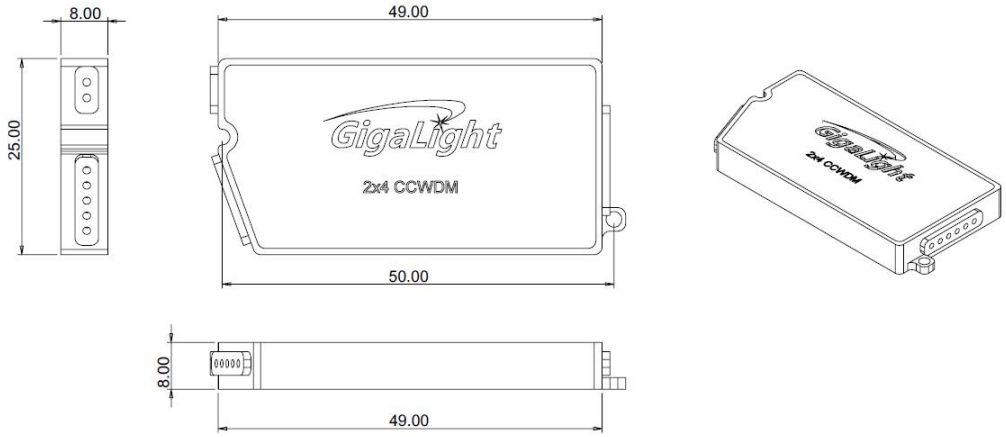
Note:

[1] All specifications are based on the devices with connectors, and guaranteed over wavelength and temperature. Fiber type is G657A1.

[2] An additional 0.3dB loss ought to be added per adapter.

Mechanical Dimensions

A3 Metal Box (49×25×8):



Ordering Information

GCC-24Q	x	xx	A3	x	xx-	x	x
CCWDM MUX/DEMUX (2×4CH)	MUX/DEMUX Type[1]	Initial Wavelength	Package Type[2]	Fiber Type	Fiber Length	Input Connector	Output Connector
	M=MUX	27=1270	A3=49×25×8 Metal Box	B=250um bare fiber	10=1.0m	0=None	0=None
	D=DEMUX	29=1290		09=0.9mm loose tube	15=1.5m	1=FC/UPC	1=FC/UPC
	1=MUX with 1310nm port	31=1310		20=2.0mm loose tube	20=2.0m	2=FC/APC	2=FC/APC
	2=DEMUX with 1310nm port	…		30=3.0mm loose tube	25=2.5m	3=SC/UPC	3=SC/UPC
	3=MUX with UPG port	55=1550			…	4=SC/APC	4=SC/APC
	4=DEMUX with UPG port					5=LC/UPC	5=LC/UPC
	5=MUX with 1310nm & UPG ports					6=LC/APC	6=LC/APC
	6=DEMUX with 1310nm & UPG ports						

Note :

[1] The 1310 in the "MUX/DEMUX Type" is 1310±50nm;

[2] Other package types such as LGX box and 19-inch 1U rack mount can be customized.

If there is a demand for orders that are different from those described above, please contact Gigalight sales.

E-mail: sales@gigalight.com
Official Site: www.gigalight.com