CG-LGX-4C

CWDM GRID

HONDAO
EMBRACING BETTER FUTURE TOGETHER

DATASHEEET/JAN 2018 **Passive Optical Series**

Overviews

CWDM - coarse wavelength division multiplexer utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging . It provides low insertion loss , high channel isolation , wide pass band , low temperature sensitivity and epoxy free optical path .

Feature

- Low Insertion Loss , Wide pass band
- 4channel , 8 channel , 16 channel , 18 channel
- High Stability and ralability

Specification

Parameter		4 Channel	8 Channel	16 Channel	18 Channel
Channel Wavelength (nm)		1270~1610/1271~1611			
Center Wavelength Accuracy (nm)		±0.5			
Channel Spacing (nm)		20			
Channel Passband (-0.5dB bandwidth (nm))		+/-7.5/+/-6.5			
Insertion Loss (dB)		≤1.5	≤2.5	≤3.5	≤3.5
Channel Uniformity (dB)		≤0.6	≤1.0	≤1.5	≤1.5
Channel Ripple (dB)		0.3			
Isolation (dB)	Adjacent	＞30			
	Non-adjacent	＞40			
Isolation(dB)	Express with filter	＞30			
	Express without filter	＞12			
Insertion Loss Temp. Sensitivity (db/℃)		＜0.005			
Wavelength Temp. Shifting(nm/℃)		＜0.002			
Polarization Dependent Loss(dB)		＜0.1			
Polarization Mode Dispersion		＜0.1			
Directivity (dB)		＞50			
Return Loss (dB)		＞45			
Maximum Power Handing (mW)		300			
Operation Temp. (℃)		-40~+85			
Storage Temp. (℃)		-40~+85			
Dimension		Based on the different channel			

Order Information

CG	-	LGX	-	4C	-	MUX	SCA	-	3.0	-	1.5
CG=CWDM Grid		LGX		4C=4 channel 8C=8 channel 16c=16 channel ...		MUX Or Dumex ...	0=No connector SCA=SC/APC SCU=SC/UPC FCA=FC/APC		0.25=250um 0.9=900um 2.0=2.0mm 3.0=3.0mm		0.5=0.5m 1=1m 1.5m=1.5m 3=3m ...