

CWDM FILTER

Specifications

Parameter		Unit	Value
Operating Wavelength		nm	1470 to 1610
Center Wavelength Accuracy		nm	± 0.5
Channel Spacing		GHz	20
Channel Passband (@-0.5dB bandwidth)		nm	>15
Pass Channel Insertion Loss		dB	< =0.6
Reflection Channel Insertion Loss		dB	< =0.5
Channel Ripple		dB	< 0.3
Isolation	Adjacent	dB	>30
	Non-adjacent	dB	>40
Insertion Loss Temperature Sensitivity		dB/°C	<0.005
Wavelength Temperature Shifting		nm/°C	<0.002
Polarization Dependent Loss		dB	<0.10
Polarization Mode Dispersion		ps	<0.1
Directivity		dB	>50
Return Loss		dB	>45
Power Handling		mw	300
Operating Temperature		°C	0 ~+70
Storage Temperature		°C	-40 ~+85
Package Dimension		mm	Φ5.5 x L34

Ordering Information

CWDMF	Wavelength	Fiber Type	Fiber Length	Connector
CWDMF	47=1470nm	B=SMF-28, 250um	10=1.0m	NE=None
	49=1490nm	L=SMF-28, 900um	25=2.5m	FA=FC/APC
	51=1510nm			FC=FC/PC
	53=1530nm	X=Others		SA=SC/APC
	55=1550nm		XX=Others	SC=SC/PC
	57=1570nm			ST=ST/PC
	59=1590nm			LA=LC/APC
	61=1610nm			LC=LC/PC
	XX=Others		XX=Others	

CWDM MODULE
Specifications

Parameter	Unit	Value
Operating Wavelength	nm	1470,1490,1510,1530,1550,1570,1590,1610
Center Wavelength Accuracy	nm	± 0.5
Channel Spacing	GHz	20
Channel Passband (@-0.5dB bandwidth)	nm	>13
Insertion Loss	4-Channel	≤ 1.8
	8-Channel	≤ 2.6
Channel Uniformity	4-Channel	≤ 0.6
	8-Channel	≤ 1.0
Channel Ripple	dB	< 0.3
Isolation	Adjacent	>30
	Non-adjacent	>40
Insertion Loss Temperature Sensitivity	dB/°C	<0.005
Wavelength Temperature Shifting	nm/°C	<0.002
Polarization Dependent Loss	dB	<0.10
Polarization Mode Dispersion	ps	<0.1
Directivity	dB	>50
Return Loss	dB	>45
Power Handling	mw	300
Operating Temperature	°C	0 ~+70
Storage Temperature	°C	-40 ~+85
Package Dimension	mm	95 x 8 x 110

Ordering Information

CWDM	Channels	Start Channel	Fiber Type	Fiber Length	Connector
CWDM	4=4 Ch	47=1470nm	B=SMF-28, 250um	10=1.0m	NE=None
	8=8 Ch	49=1490nm	L=SMF-28, 900um	25=2.5m	FA=FC/APC
		51=1510nm	H=SMF-28, 3mm		FC=FC/PC
		53=1530nm			SA=SC/APC
		55=1550nm	X=Others	XX=Others	SC=SC/PC
		57=1570nm			ST=ST/PC
		59=1590nm			LA=LC/APC
		61=1610nm			LC=LC/PC
		XX=Others			XX=Others