

Coarse Wavelength Division Multiplexers (1X8)



Coarse wavelength division multiplexer features a side passband, low insertion loss and high isolation. Typical channel spacing is 20nm. Various # of channels are available as an option.

Parameters		Unit	
Center Wavelength		nm	ITU standardized 20nm spacing
0.5dB Passband Bandwidth		nm	$\lambda_c \pm 7.5$
Insertion Loss without connectors*	max	dB	3.5
Insertion Loss mux/demux Pair	max	dB	4.5
Adjacent Channel Isolation **	min	dB	30
Passband Flatness	max	dB	0.2
Optical Return Loss without connectors	min	dB	45
Directivity	min	dB	55
Thermal Wavelength Shift	max	pm/ °C	2
Polarization Dependent Loss	max	dB	0.1
Fiber Type			900um loose tube
Package Dimension		mm	110(L) X 90(W) X 9(H)
Operating Temperature		°C	0 ~ +70
Maximum Power Handling		mW	500

* Low insertion loss option is available

** Demux type

Ordering Information

CWDM18 - a - b - c - d

a (Specify Center Wavelength) : For example, 1510,1530,1550,1570 = 51/53/55/57

b : 1=demux type / 2=mux type

c (Connector Type) : 1=FC-PC / 2=SC-PC / 3=FC-APC / 4=SC/APC / 5=ST / 6=LC / 7=None

d (Fiber Length) : 1=1m / 2=2m

Customized package size and fiber types are available.

RoHS Compatible