

Coarse Wavelength Division Multiplexers (1X2)



Coarse wavelength division multiplexer features a wide passband, low insertion loss and high isolation. Typical channel spacing is 20nm. CWDM series are typically used as a mux/demux in the metro access market.

| Parameters | | Unit | |
|--------------------------------|-----|--------|-------------------------------|
| Center Wavelength | | nm | ITU standardized 20nm spacing |
| 0.5dB Passband Bandwidth | | nm | $\lambda_c \pm 7.5$ |
| Pass Channel Insertion Loss | max | dB | 0.6 |
| Express Channel Insertion Loss | max | dB | 0.5 |
| Adjacent Channel Isolation | min | dB | 30 |
| Passband Flatness | max | dB | 0.2 |
| Optical Return Loss | min | dB | 45 |
| Directivity | min | dB | 55 |
| Thermal Wavelength Shift | max | pm/ °C | 2 |
| Polarization Dependent Loss | max | dB | 0.1 |
| Operating Temperature | | °C | 0 ~ +70 |
| Maximum Power Handling | | mW | 500 |

Ordering Information

CWDM12 - a - b - c - d

a (Center Wavelength) : 51=1510nm / 53=1530nm / 55=1550nm etc.

b (Fiber Type) : 1=250um / 2=900um loose tube

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

RoHS Compatible