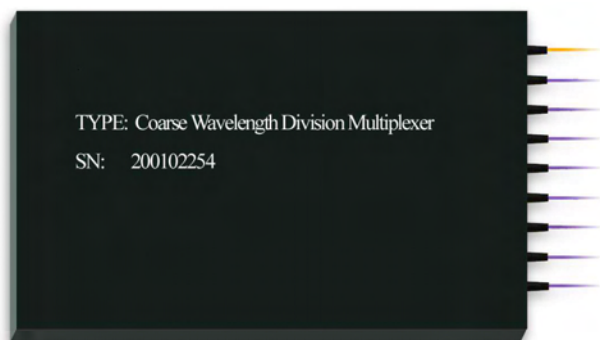


## CWDM Modules

Passive Fiber Optic CWDM

**CWDM**



### Product Description

Rotal's CWDMs are based on thin film filter technology. These devices have broad passbands and high isolation and they are ideal for operation with inexpensive uncooled lasers.

Rotal's CWDM devices are Telcordia GR-1221-CORE qualified. CWDM are epoxy-free in the optical path.

### Features

- ▶ Extended temperature range
- ▶ Flat and wide passband
- ▶ High demux channel isolation

### Applications

- ▶ Metro optical networks
- ▶ Access optical networks
- ▶ Enterprise networks

### Product Specifications

Parameter	Unit	Value			
		2	4	8	16
Channel number		2	4	8	16
Central wavelength	nm	ITU-T Grid			
Passband@0.5dB	nm	≥ 14			
Passband	nm	$\lambda_{ITU} \pm 6.5$			
Passband flatness	dB	≤ 0.5			
Insertion loss(Typ.)	dB	1.4	1.6	1.8	4.3
Insertion loss(Max.)	dB	1.8	2.0	2.5	5.0
Adjacent channel isolation	dB	≥ 30			
Non-adjacent channel isolation	dB	≥ 45			
Wavelength thermal stability	nm/ °C	≤ 0.002			
Insertion loss thermal stability	dB/ °C	≤ 0.005	≤ 0.005	≤ 0.007	≤ 0.008
Return Loss	dB	≥ 45			
PMD	ps	≤ 0.10	≤ 0.10	≤ 0.15	≤ 0.15
PDL	dB	≤ 0.10	≤ 0.15	≤ 0.20	≤ 0.25
Directivity	dB	≥ 50			
Operation temperature	°C	-5~+65			
Storage temperature	°C	-40~+85			
Package	mm	88.9x50.8x8.3	120x80x13	130x87x13	150x115x13

### Ordering Information

CWDM	□	□	□	□	□	□	□	□
20:20nm	2:2channel 4:4channel 8:8channel 16:16channel	1271 1291...	09: φ0.9mm	0.5:0.5m customer specify	00:no connector FC,SC,LC,MU/PC, UPC,APC	M: MUX. D: DEMUX. M/D:MUX./DEMUX.	L: LGX R: 19" rack mount	
Channel space	Channel number	Start ITU channel number	Fiber Dia.	Fiber length	Connector	Application type	Package	