

# Compact CWDM Mux/Demux Module C-CWDM

Santec's C-CWDM module has been specifically designed for low cost CWDM systems where both the size and the insertion loss are critical. Low loss is achieved using Santec dielectric thin-film coating technology in a package about one tenth the size of a conventional 8 channel mux/demux module. Optical performance is excellent with high isolation between channels and low PDL as standard. Santec's C-CWDM meets both the price and performance requirements of today's metro and access networks.



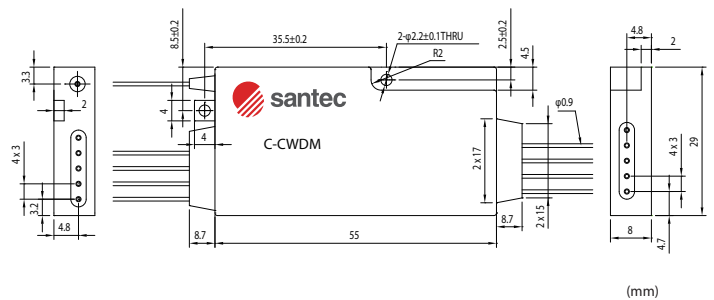
## Features

- ▶ Small package
- ▶ Low insertion loss
- ▶ High isolation
- ▶ Excellent temperature stability
- ▶ Excellent environmental durability
- ▶ Telcordia GR-1221 qualified
- ▶ RoHS compliant

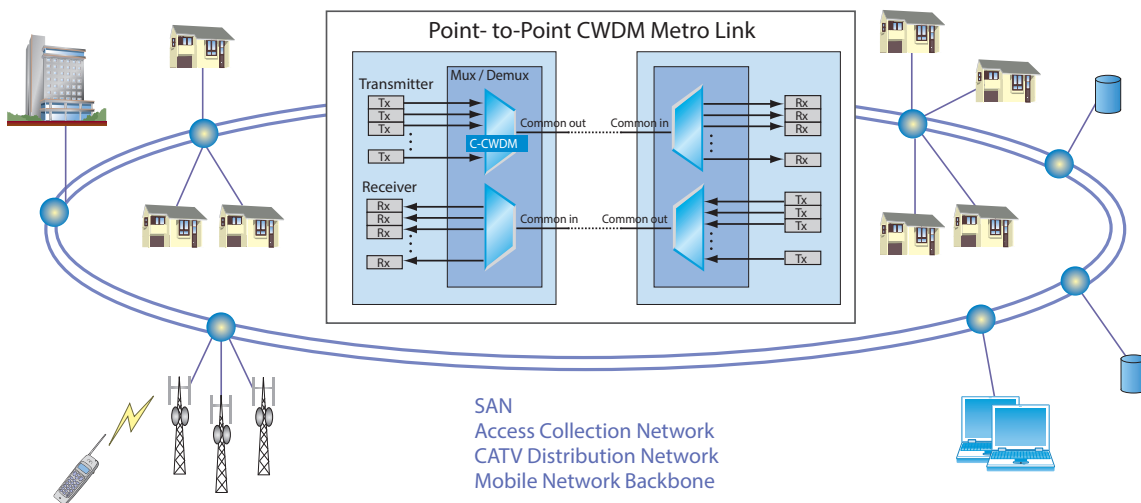
## Applications

- ▶ CATV
- ▶ Metro networks
- ▶ FTTH/FTTP

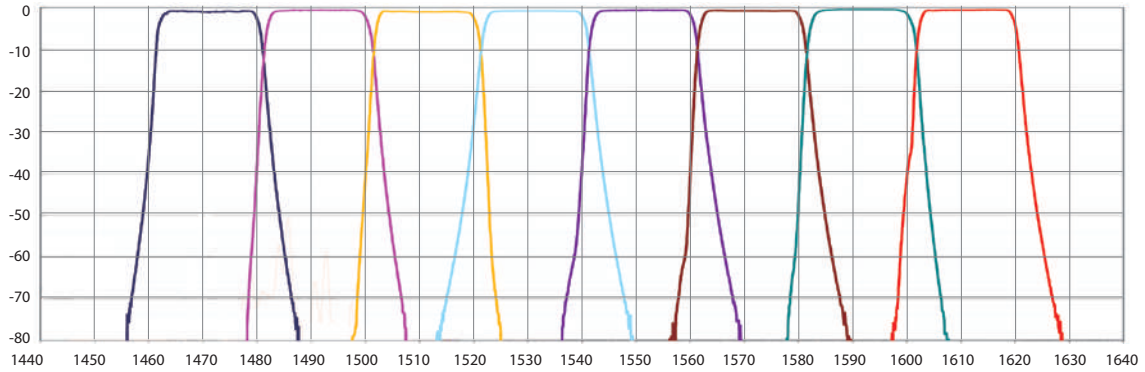
## Dimensions



## Network Implementation



■ Typical Spectrum



■ Specifications

No.	Parameter	Min	Max	Unit	Notes
1	Channel Spacing	20		nm	
2	Center Wavelength	1471, 1491, 1511, 1531 1551, 1571, 1591, 1611		nm	
3	Passband	13	-	nm	
4	Insertion Loss (Mux)	-	1.5	dB	In passband
5	Insertion Loss (Demux)	-	1.5	dB	In passband
6	Mux / Demux Link Loss	-	2.5(Typ.2.0)	dB	In passband
7	Adjacent Isolation	30	-	dB	
8	Non-Adjacent Isolation	50	-	dB	
9	PDL	-	0.2	dB	In passband
10	Directivity	-	50	dB	
11	Operating Temperature	0	70	°C	Non-condensing
12	Storage Temperature	-40	85	°C	Non-condensing
13	Fiber Length	1.05 ± 0.05		m	
14	Fiber Type	900µm SMF-28		-	
15	Package Dimensions	29 x 55 x 8		mm	

■ Ordering Code

C-CWDM-A-B-10-D/E

A: Number of Channel : 08: 8 channels

B: Mux or Demux : M: Mux D: Demux

D: Connector Type : 00: None FS: FC-SPC FA: FC-APC SS: SC-SPC

SA: SC-APC LC: LC-SPC MU: MU-SPC MJ: MUJ-SPC

E: Shortest Wavelength: 1471: 1471.00nm

[www.santec.com/en/](http://www.santec.com/en/)

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