



Compact CWDM Mux/ Demux Module

C-CWDM

Product Overview

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

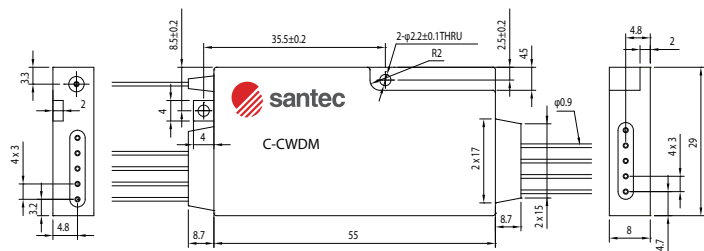
- Small package
- Low insertion loss
- High isolation
- Excellent temperature stability
- Excellent environmental durability
- Telcordia GR-1221 qualified
- RoHS compliant



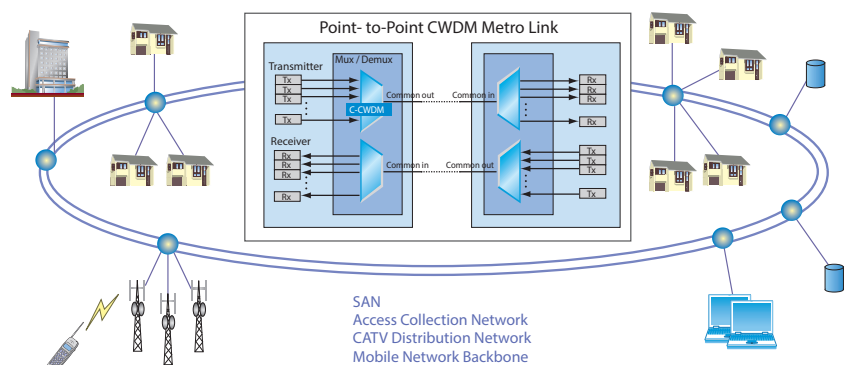
Applications

- CATV
- Metro networks
- FTTH / FTTN

Dimensions Unit [mm]



Network Implementation



Typical Spectrum



Specifications

Parameter	Min	Max	Unit	Notes
Channel Spacing	20		nm	
Center Wavelength	1471, 1491, 1511, 1531 1551, 1571, 1591, 1611		nm	
Passband	13	-	nm	
Insertion Loss (Mux)	-	1.5	dB	In passband
Insertion Loss (Demux)	-	1.5	dB	In passband
Mux / Demux Link Loss	-	2.5(Typ.2.0)	dB	In passband
Adjacent Isolation	30	-	dB	
Non-Adjacent Isolation	50	-	dB	
PDL	-	0.2	dB	In passband
Directivity	-	50	dB	
Operating Temperature	0	70	°C	Non condensing
Storage Temperature	-40	85	°C	Non condensing
Fiber Length	1.05 ± 0.05		m	
Fiber Type	900 μm SMF-28		-	
Package Dimensions	29 x 55 x 8		mm	

Ordering Code

