



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.



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

- CATV
- Metro networks
- FTTH / FTTP

[illegible]

Point-to-Point CWDM Metro Link

Transmitter

Mux / Demux

T_1

T_2

T_3

$\vdots$

T_N

C-WDM

Common out

Common in

Receiver

R_1

R_2

R_3

$\vdots$

R_N

Common in

Common out

R_1

R_2

R_3

$\vdots$

R_N

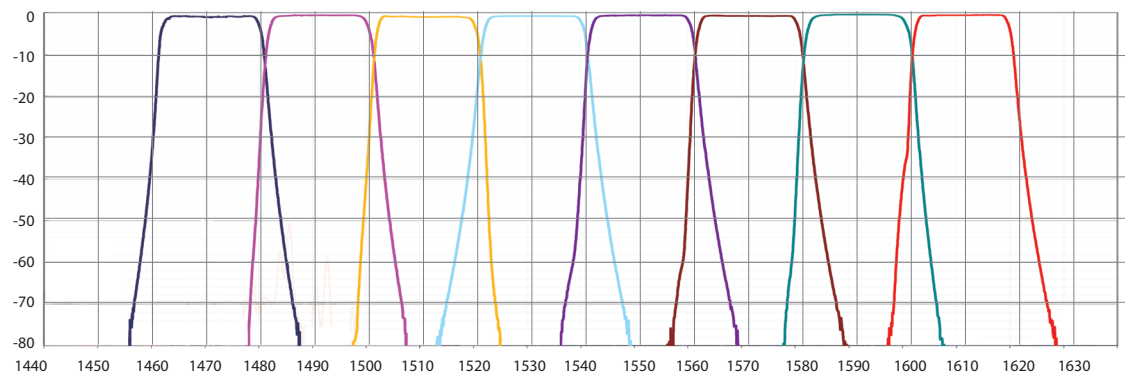
SAN

Access Collection Network

CATV Distribution Network

Mobile Network Backbone

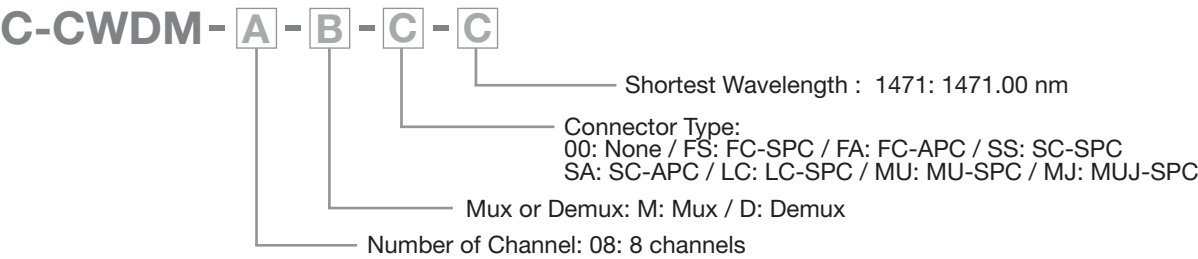
Typical Spectrum



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



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