

## 3 Port Add/ Drop Module CWDM-15

Especially designed for CWDM networks, Santec's CWDM-15 units are optimized for wide-pass band and low loss to reduce costs and extend reach in Metro and Access equipment. Standard CWDM 20nm channel spacing is available.

Fully tested for long term reliability these units boast high isolation as well as low insertion loss.

### Features

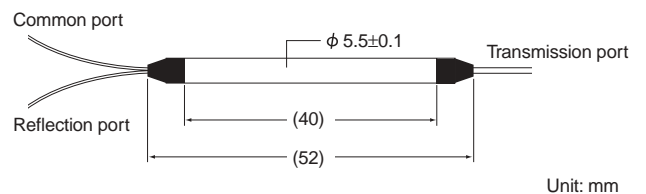
- ▶ Wide Operation Range: 1290-1350nm, 1470-1610nm
- ▶ Low Insertion Loss
- ▶ Wide Pass Band
- ▶ High Channel Isolation
- ▶ Operating Temperature: -10 to 70°C
- ▶ Long Term Reliability
- ▶ Telcordia-GR-1221 Qualified

### Applications

- ▶ Optical Add Drop Multiplexer
- ▶ Metro/Access Network system
- ▶ FTTH & FTTC
- ▶ CATV Applications



### Dimensions



### Wavelength

1291nm	1311nm	1331nm	1351nm
1471nm	1491nm	1511nm	1531nm
1551nm	1571nm	1591nm	1611nm

■ Typical Performance

Specification	Units	Condition	Min.	Max.
Wavelength range	nm	20nm channel spacing	-	-
Operating temperature	°C	-	-10	70
Insertion loss (Transmission)	dB	@ $\lambda_c \pm 6.5\text{nm}$	-	0.8
Insertion loss (Reflection)	dB	@ $\lambda < \lambda_c - 13.5\text{nm}$ , $\lambda > \lambda_c + 13.5\text{nm}$	-	0.4
Flatness	dB	@ $\lambda_c \pm 6.5\text{nm}$	-	0.4
Adjacent channel isolation (Transmission)	dB	@ $\lambda_c \pm 13.5\text{nm}$	30	-
Non-adjacent channel isolation	dB	@ $\lambda_c \pm 33.5\text{nm}$	45	-
Directivity	dB	-	45	-
PDL	dB	@center wavelength: $\lambda_c$	-	0.1
Return loss	dB	-	50	-

\*1 All parameters are specified over operating temperature range.

\*2 Insertion loss per filter includes Ripple and PDL, without connectors.

\*3 Please contact santec to discuss specific performance requirements.

■ Ordering Code

# CWDM-15 - A - B - C - D / E

**A=Channel**

1=1ch

**B=Type**

D=Drop

1=Standard, 5=Low Loss

**C=Fiber Length**

10=1.0m, 20=2.0m

**D=Connector**

00=No Connector, FS=FC-SPC, FA=FC-APC, SS=SC-SPC, SA=SC-APC

MU=MU-SPC, MJ=MUJ-SPC, LC=LC-SPC

**E=Center Wavelength**

(ex) 1571nm --->1571

www.santec.com E-Mail : sales@santec.com

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**SANTEC CORPORATION**

5823 Ohkusa-Nenjyozaka, Komaki, Aichi 485-0802, Japan Tel. +81-568-79-1959 Fax +81-568-79-1718

**SANTEC U.S.A. CORPORATION**

433 Hackensack Ave., Hackensack, NJ, 07601, U.S.A. Toll Free +1-800-726-8321 (santec-1) Tel. +1-201-488-5505 Fax +1-201-488-7702

**SANTEC EUROPE LIMITED**

Magdalen Centre, Robert Robinson Ave., The Oxford Science Park, Oxford OX4 4GA, U.K. Tel. +44-1865-784960 Fax +44-1865-784961

**SANTEC (SHANGHAI) Co., Ltd.**

No.800 Zhangyang Road Changhang Tower, Pudong District, Shanghai 200122 China Tel: +86-21-58361261, +86-21-58361262 Fax: +86-21-58361263