

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

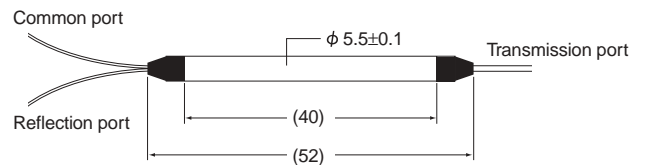
- ▶ Wide Operation Range: 1290-1350nm, 1470-1610nm
- ▶ Low Insertion Loss
- ▶ Wide Pass Band
- ▶ High Channel Isolation
- ▶ Operating Temperature: -10 to 70°C
- ▶ Long Term Reliability
- ▶ Telcordia-GR-1221 Qualified

Applications

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



Dimensions



Unit: mm

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: λ_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

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