



# 3 Port Add/ Drop Module

## CWDM-15

### Product Overview

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 20 nm channel spacing is available.

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



### Features

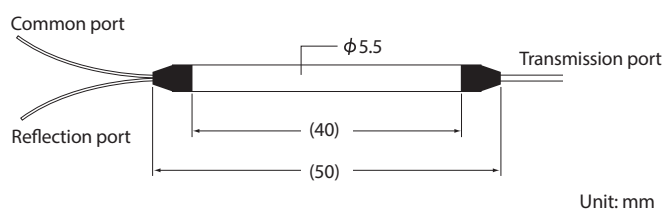
- Wide Operation Range:  
1290-1350 nm, 1470-1610 nm
- Low Insertion Loss
- Wide Pass Band
- High Channel Isolation
- Operating Temperature: -10 to 70 °C
- Long Term Reliability
- Telcordia-GR-1221 Qualified



### Applications

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

### Dimensions Unit [mm]



### Wavelength

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

# Typical Performance

Parameter	Unit	Condition	Min	Max
Wavelength range	nm	20 nm channel spacing	-	-
Operating temperature	°C	-	-10	70
Insertion loss (Transmission)	dB	@ $\lambda$ c6.5 nm	-	0.8
Insertion loss (Reflection)	dB	@ $\lambda < \lambda c - 13.5$ nm, $\lambda > \lambda c + 13.5$ nm	-	0.4
Flatness	dB	@ $\lambda$ c6.5 nm	-	0.4
Adjacent channel isolation (Transmission)	dB	@ $\lambda$ c13.5 nm	30	-
Non – adjacent channel isolation	dB	@ $\lambda$ c33.5 nm	45	-
Directivity	dB	-	45	-
PDL	dB	@center wavelength: $\lambda$ c	-	0.1
Return loss	dB	-	50	-

<sup>\*1</sup> All parameters are specified over operating temperature range.  
<sup>\*2</sup> Insertion loss per filter includes Ripple and PDL, without connectors.  
<sup>\*3</sup> Please contact santec to discuss specific performance requirements.

# Ordering Code

