

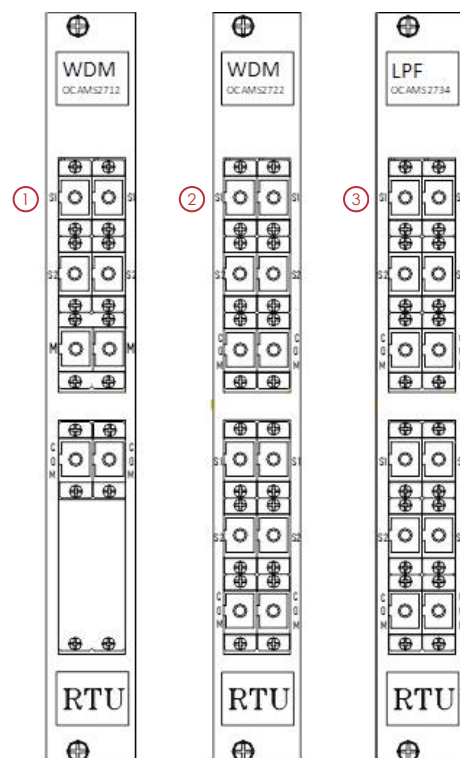
## 3-Wavelength WDM & 3-Wavelength LPF

Ascentac OCAMS2700

Ascentac OCAMS 2700 Series, 3-Wavelength Wavelength Division Multiplexer (3-Wavelength WDM) and 3-Wavelength Low Pass Filter (3-Wavelength LPF) with hot-swap design, can be mounted in the chassis of Remote Test Unit (RTU). They are optical passive component modules. 3-Wavelength Wavelength Division Multiplexer (3-Wavelength WDM) installed in head-end or relay station can combine the wavelength of OTDR monitoring signal with the wavelength of transmission signal or self-emitting light source from Light Source Unit (LSU) onto a same fiber. 3-Wavelength Low Pass Filter (3-Wavelength LPF) installed in end station can filter out the wavelength of OTDR monitoring signal.

### Description

- ① Head-end station - 3-Wavelength WDM optical interface
  - S1, S2: Input port for transmission signal or self-emitting light source from LSU
  - M: Input port for OTDR monitoring signal
  - COM: Output port for transmission signal or self-emitting light source from LSU and OTDR monitoring signal
- ② Relay station - 3-Wavelength WDM optical interface
  - Left S1 & S2: Output port for transmission signal or self-emitting light source from LSU
  - Left COM: Input port for transmission signal or self-emitting light source from LSU and OTDR monitoring signal
  - Right S1 & S2: Input port for transmission signal or self-emitting light source from LSU
  - Right COM: Output port for transmission signal or self-emitting light source from LSU and OTDR monitoring signal
- ③ End station - 3-Wavelength Low Pass Filter optical interface
  - S1 & S2: Output port for transmission signal
  - COM: Input port for transmission signal or self-emitting light source from LSU and OTDR monitoring signal



Head-end Station    Relay Station    End Station

## Specification

### 3-Wavelength Wavelength Division Multiplexer (3-Wavelength WDM) in Head-end Station

Model	OCAMS2711	OCAMS2712
Channel	1	2
Central Wavelength (nm)	1310、1550、1625	
S1 Wavelength (nm)	1310±20	
S2 Wavelength (nm)	1550 to 1570	
M Wavelength (nm)	1625 ± 20	
COM -> S1 Insertion Loss (dB)	≤1.5	
COM -> S2 Insertion Loss (dB)	≤1.5	
COM -> M Insertion Loss (dB)	≤1.5	
Return Loss (dB)	≥ 45	
Channel Port Isolation (dB)	≥ 30 or 60 (Select one)	
Size (H x W x D) (mm)	216.5 x 24.9 x 191	
Weight (kg)	0.4	

### 3-Wavelength Wavelength Division Multiplexer (3-Wavelength WDM) in Relay Station

Model	OCAMS2631	OCAMS2722
Channel	2	4
Route	1	2
Central Wavelength (nm)	1310、1550、1625	
S1 Wavelength (nm)	1310±20	
S2 Wavelength (nm)	1550 to 1570	
COM -> S1 Insertion Loss (dB)	≤1.5	
COM -> S2 Insertion Loss (dB)	≤1.5	
Return Loss (dB)	≥ 45	
Channel Port Isolation (dB)	≥ 30 or 60 (Select one)	
Size (H x W x D) (mm)	216.5 x 24.9 x 191	
Weight (kg)	0.4	

### 3-Wavelength Low Pass Filter (3-Wavelength LPF) in End Station

Model	OCAMS2731	OCAMS2732	OCAMS2734
Channel	1	2	4
Central Wavelength (nm)	1310、1550、1625		
S1 Wavelength (nm)	1310±20		
S2 Wavelength (nm)	1550 to 1570		
COM -> S1 Insertion Loss (dB)	≤ 1.5		
COM -> S2 Insertion Loss (dB)	≤ 1.5		
Return Loss (dB)	≥ 45		
Channel Port Isolation (dB)	≥ 30 or 60 (Select one)		
Size (H x W x D) (mm)	216.5 x 24.9 x 191		
Weight (kg)	4		

## Ordering Information

Head-end Station

**OCAMS 04-271X0**

**Channel** 

1 : 1-CH

2 : 2-CH

**Example** : OCAMS 04-27110

Middle Station

**OCAMS 04-272X0**

**Channel** 

1 : 2-CH

2 : 4-CH

**Example** : OCAMS 04-27210

End Station

**OCAMS 04-273X0**

**Channel** 

1 : 1-CH

2 : 2-CH

4 : 4-CH

**Example** : OCAMS 04-27310



© Copyright 2025 Ascentac. All rights reserved. The information in this document is subject to change without notice.

For the latest information regarding this product, please visit our website at <http://www.ascentac.com>



Contact us