

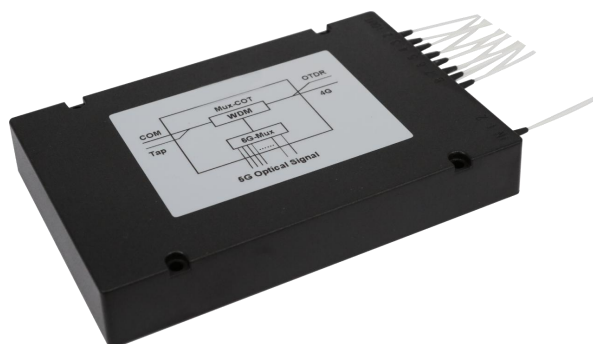
5G LAN-WDM OMUX COT & RT, 6CH

Description

The GrowsFiber 5G LAN-WDM OMUX is designed for 5G fronthaul network. Based on TFF platform, it features ultra low loss, super thermal stability, and unparalleled reliability. With 6 low dispersion DWDM channels, it is a high-capacity and low-cost solution for LAN-WDM or WDM-PON systems in the 5G era.

Features

- Low insertion loss
- High isolation
- Low polarization dependent loss
- Compact design
- Good channel-to-channel uniformity
- Wide operating wavelength range
- Wide operating temperature range
- High reliability and stability
- Telcordia GR-1209-CORE-2001 compliant
- Telcordia GR-1221-CORE-1999 compliant
- RoHS compliant



Applications

- 5G Fronthaul Network

5G LAN-WDM OMUX

COT & RT, 6CH

Specifications

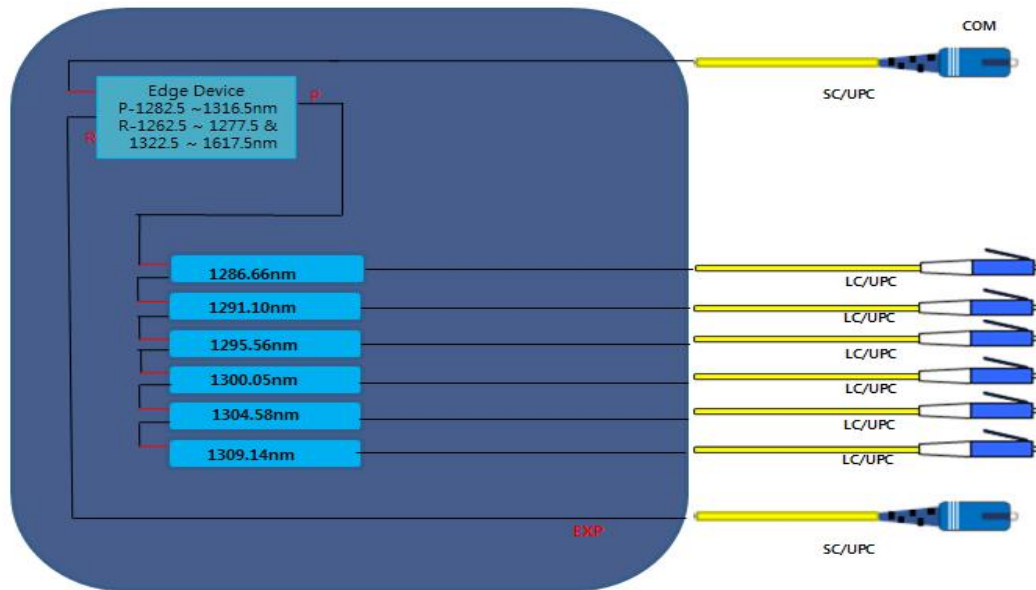
Parameters		Unit			5G LAN-WDM OMUX (6CH)			
					COT		RT	
Central Wavelength		nm			1286.66/1291.10/1295.56 1300.05/1304.58/1309.14			
Pass band		nm Min	First λ	Final λ	+/-1.15			
					Module	Component Range	Module	Component Range
Insertion Loss	1286.66	dB Max	1285.51	1287.81	1.4	0.5	2.2	0.6
	1291.10	dB Max	1289.95	1292.25	1.7	0.5	1.9	0.5
	1295.56	dB Max	1294.41	1296.71	1.8	0.5	1.8	0.5
	1300.05	dB Max	1298.90	1301.20	1.8	0.5	1.8	0.5
	1304.58	dB Max	1303.43	1305.73	1.9	0.5	1.7	0.5
	1309.14	dB Max	1307.99	1310.29	2.2	0.6	1.4	0.5
	EXP	dB Max	1262.5~1283.41	1312.58~1617.5	0.9		0.9	
Link Insertion Loss	Channel Port	dB Max			3.8 (3.6)			
	EXP Port	dB Max			2.0 (1.8)			
Adjacent Channel Isolation		dB Min			25			
Non-Adjacent Channel Isolation		dB Min			35			
EXP Channel Isolation		dB Min			10			
Return Loss		dB Min			50			
Directivity		dB Max			50			
Operating Temperature		°C			-30 to +85			
Connector Type		/			COM&EXP: SC/UPC; Other: LC/UPC		COM&EXP: SC/APC; Other: LC/APC	

Note: The above specification parameter is the final index of product, including the insertion loss of the connector.

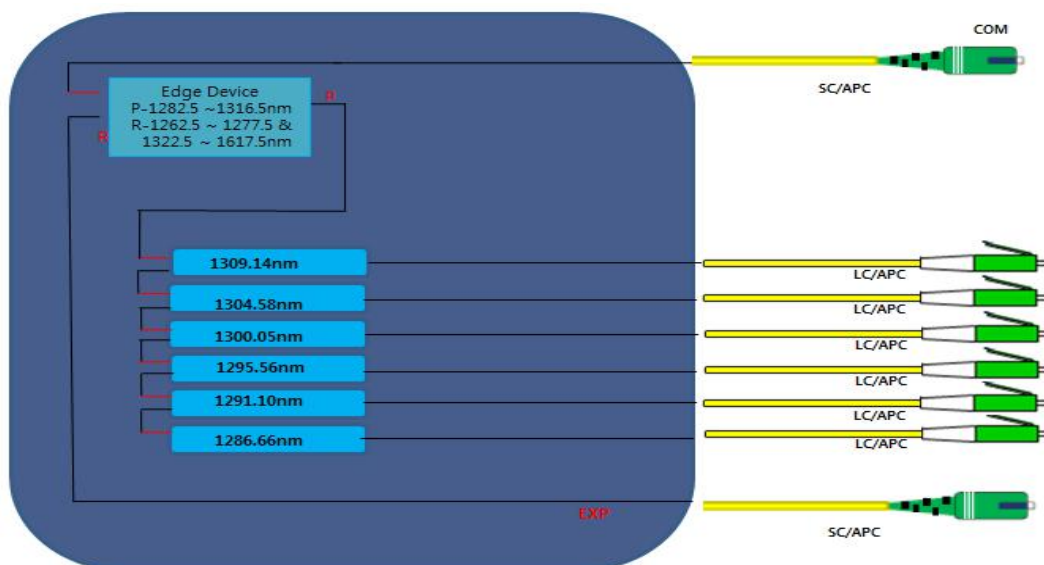
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Structure Diagram

COT:



RT:



5G LAN-WDM OMUX COT & RT, 6CH

Ordering information

Part Number	Description
GF5GL6C	5G LAN-WDM OMUX, 6CH (1286.66nm to 1309.14nm), COT
GF5GL6R	5G LAN-WDM OMUX, 6CH (1286.66nm to 1309.14nm), RT