



Key Features

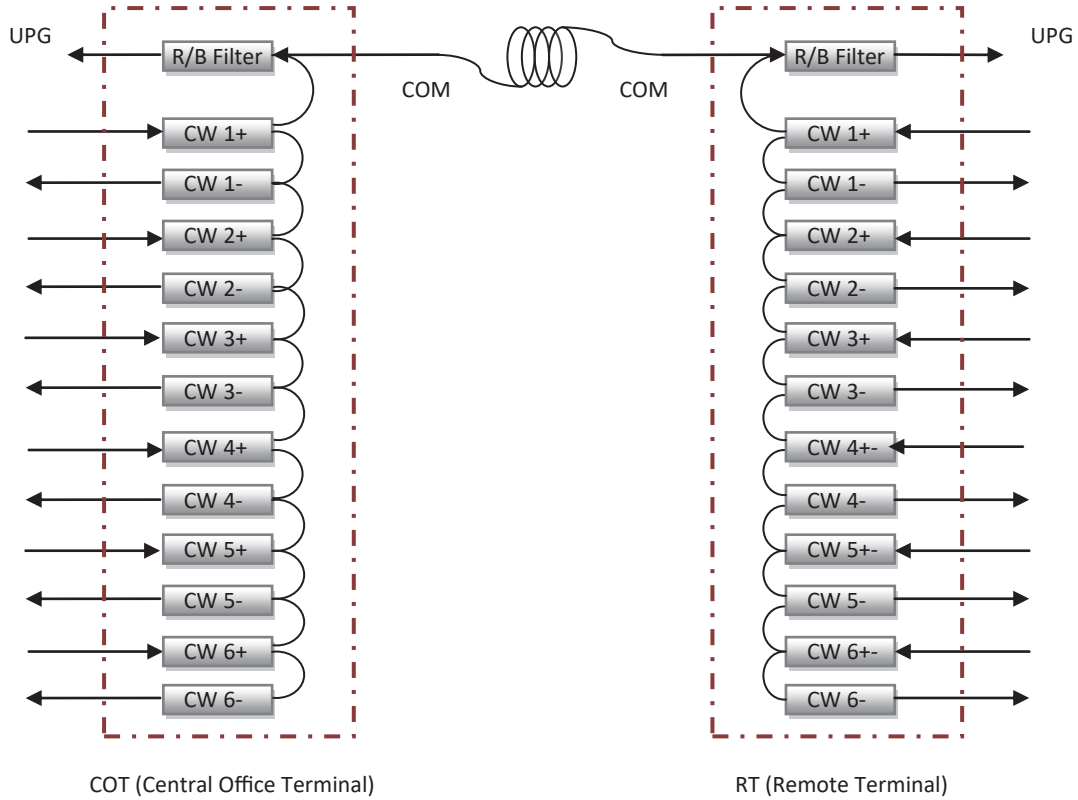
- TFF Free-space Technology
- Ultra-Low Insertion Loss
- High Isolation
- Stable Operating Temperatures

Applications

- FTTx , PON Optical Networks, 5G Networks.



Module Configuration



Parameter Specification: MWDM module

Parameters	Performance Specifications	Units
Operating Wavelength Range	1261~ 1620	nm
Central Wavelength: CW1-	1267.5	nm
Central Wavelength: CW1+	1274.5	nm
Central Wavelength: CW2-	1287.5	nm
Central Wavelength: CW2+	1294.5	nm
Central Wavelength: CW3-	1307.5	nm
Central Wavelength: CW3+	1314.5	nm
Central Wavelength: CW4-	1327.5	nm
Central Wavelength: CW4+	1334.5	nm
Central Wavelength: CW5-	1347.5	nm
Central Wavelength: CW5+	1354.5	nm
Central Wavelength: CW6-	1367.5	nm
Central Wavelength: CW6+	1374.5	nm

Ultra Compact WDM

MWDM Optical Multiplexers

Parameter Specification: MWDM module

Parameters	Performance Specifications	Units
Chanel Insertion Loss @ CW1-	≤ 2.2	dB
Chanel Insertion Loss @ CW1+	≤ 2.2	dB
Chanel Insertion Loss @ CW2-	≤ 2.2	dB
Chanel Insertion Loss @ CW2+	≤ 2.2	dB
Chanel Insertion Loss @ CW3-	≤ 2.2	dB
Chanel Insertion Loss @ CW3+	≤ 2.2	dB
Chanel Insertion Loss @ CW4-	≤ 2.2	dB
Chanel Insertion Loss @ CW4+	≤ 2.2	dB
Chanel Insertion Loss @ CW5-	≤ 1.5	dB
Chanel Insertion Loss @ CW5+	≤ 1.2	dB
Chanel Insertion Loss @ CW6-	≤ 1.6	dB
Chanel Insertion Loss @ CW6+	≤ 1.0	dB
Channels Link Loss (COT & RT by pair) CW1~4	≤ 4.4	dB
Channels Link Loss (COT & RT by pair) CW5~6	≤ 3.0	dB
All Channels Passband	$\lambda \pm 2.5$	nm
Up Grade Wavelength Range	1384~1620	nm
Ripple in Passband	≤ 0.5	dB
Adjacent Channel Isolation	≥ 25	dB
Non Adjacent Channel Isolation	≥ 35	dB
UPGD Port Isolation	≥ 15	dB
PDL (all ports)	≤ 0.3	dB
Return Loss (all ports)	≥ 45	dB
Directivity (all ports)	≥ 50	dB
Fiber Type	Corning Ultra Fiber (G657.A1)	
Connector Type	Customers' choice: SCA, SCU, LCA, LCU	
Module Package Type	Ultra-compact 30x30x6.5mm or 1RU LGX or HD density	
Maximum Power handling	500	mW
Operating Temperature	-40 ~ +85	°C
Storage Temperature	-40 ~ +85	°C
Operation Humidity	5 to 95 % Relative Humidity	

Part Number Scheme: MWDM module

B	R	T	M	W	D	M		N	N					
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