



RFOG WDM Module

The RFOG WDM module is designed to satisfy wavelength management requirements where 1310, 1490, 1550, 1590 / 1610 nm wavelengths are used in passive optical network applications. This unit is available in traditional LGX® module packaging with virtually all connector options supported. Also available is a high density platform delivering unsurpassed ports per rack unit for applications requiring the most efficient use of available rack space.

Features

- Flexible packaging options
- Low Excess Loss
- Low PDL
- Monitoring / Tap ports available
- RoHS compliant

Applications

- PON - FTTx Networks
- Access Networks
- CATV Links

Specifications

PARAMETER		UNIT	SPECIFICATION	
			MIN	MAX
Wavelength Range	1310 Band	nm	1270	1350
	1490 Band		1480	1500
	1550 Band		1540	1570
	1590/1610 Band		1584.5	1620
Insertion Loss	1310+1490 Port	dB	-	1.2
	1550 Port			1.4
	1590/1610 Port			1.5
Band Isolation	1310/1490 Port @ 1550	dB	40	
	1310/1490 Port @ 1590/1610		40	
	1550 Port @ 1310/1490		30	
	1550 Port @ 1590		15	
	1590/1610 Port @ 1310/1490/1550		35	
Wavelength Thermal Stability		nm/°C		0.002
Directivity		dB	50	
PDL		dB		0.15
PMD		ps		0.10
Return Loss		dB	45	
Optical Power Handling		mW	300	

Environmental Specifications

PARAMETER	UNIT	SPECIFICATION
Operation Temperature	°C	-5 ~ +70
Operation Humidity	%RH	5 ~ 95 not condensed
Storage Temperature	°C	-40 ~ +85
Storage Humidity	%RH	0 ~ 95 not condensed

Ordering Information

DESCRIPTION	AFL NO.
FILTER WDM, 1310+1490/1550+1590/1610, SC/APC	CM000150
DUAL FILTER WDM, 1310+1490/1550+1590/1610, LC/APC	CM000151

* Additional configuration available upon request. Contact AFL Customer Service.