



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

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		
Operation Humidity	% RH	5 ~ 95 not condensed		
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.

Qualifications

GOVERNING BODY	STANDARD CODE
RoHS	Compliant

Temperature Specifications

TEMPERATURE RANGE	
Operation Temperature	-5°C to +70°C
Storage Temperature	-40°C to +85°C

Contact AFL for further details.