

1X2 FWDM Device

Description



1x2 FWDM device is based on the thin film filter technology, which can add or drop different optical wavelength in the optical network, the isolation and narrow width wavelength separating ability is high.

Feature

- High channel isolation, low Insertion Loss
- Epoxy free on optical path
- High stability and reliability
- Material meet RoHS
- Meet GR 1209, GR 1221 requirement

Application

- FTTx
- NGPON
- Broadband networks
- Optical add/drop multiplexing
- Telecommunications
- Metro networks
- CATV systems

Specification

Parameter	Unit	Min	Typical	Max
Working Wavelength Range	nm	1260-1650		
Passband Wavelength	nm	1260~1360(customized)		
Relection wavelength	nm	1460~1650(customized)		
Pass Channel Insertion Loss	dB	-	-	0.60
Reflection Channel Loss	dB	-	-	0.40
Ripple	dB	-	-	0.30
Pass Channel Isolation	dB	40	-	-
Reflection Channel Isolation	dB	15	-	-
Directivity	dB	50	-	-
Return Loss	dB	45	-	-
Polarization Dependent Loss	dB	-	-	0.10
Polarization Mode Dispersion	ps	-	-	0.10
Maximum Optical Power	mW	-	-	300
Operating Temperature Range	°C	-5~+70		
Storage Temperature Range	°C	-40~85		
Optical fiber type	-	Corning SMF 28e+ or equal(customized)		
Optical fiber length	m	≥1.0(customized)		
Package dimension	mm	All glass for bare fiber type Ø4.0x26 Steel tube for loose tube type Ø5.5x39		

Size



Order Information

814	2	XX	X	X	X	X
Type		Filtering	Diameter	Connector	Size	Fiber Mode
FWDM		01=Band Pass 02=Short Pass 03=Long Pass	0=250um 1=900um 2= Other	0=None 1=LC/UPC 2=SC/UPC 3=FC/UPC 4=ST/UPC 5=Other	0= Ø4.0x26 1= Ø5.5x39 2= Ø3.2x26 3= Ø3.8x40 4=Other	1=G657A1 2=G657A2 3=G65D 6=Other

Examples:

8142010001 FWDM, 3Port, 1540~1550nm Band Pass, 250um, no connector, Ø4.0x26mm

8142031111 FWDM, 3Port, 1550/1310nm Long Pass, 900um, LC/UPC, Ø5.5x39mm