



Accelink's 100GHz, 200GHz, CWDM 3-port TFF devices are available on ITU channel spacings of 100GHz, 200GHz and CWDM spacing, they are based on thin film filter technology and micro-optics packaging. All Accelink's products are epoxy-free in the optical path. The products are Telcordia GR-1221-CORE qualified.

Features

- Exceptional reliability and environmental stability
- Flat and widepassband
- High demux channel isolation

Applications

- DWDM, CWDM Multiplexer
- DWDM, CWDM Demultiplexer
- DWDM, CWDM OADM

Specifications

Parameter	Unit	Value		
		100GHz	200GHz	CWDM
Central wavelength		ITU-T Grid		
Channel passband	nm	$\lambda_{ITU} \pm 0.11$	$\lambda_{ITU} \pm 0.25$	$\lambda_{ITU} \pm 6.5$
Passband flatness	dB	≤ 0.5		
Bandwidth (@-0.5dB)	nm	≥ 0.25	≥ 0.60	≥ 14
Insertion loss (pass channel)	dB	Typ. 0.8, Max. 1.0		
Insertion loss (reflect channel)	dB	Typ. 0.45, Max. 0.6		
Adjacent channel isolation	dB	≥ 25	≥ 25	≥ 30
Non-adjacent channel isolation	dB	≥ 45		
Isolation (reflect channel)	dB	≥ 12	≥ 12	≥ 13
Return loss	dB	≥ 45		
Polarization dependent loss	dB	≤ 0.10		
Directivity	dB	≥ 50		
Insertion loss thermal stability	dB/°C	≤ 0.005		
Wavelength thermal stability	nm/°C	≤ 0.001	≤ 0.002	≤ 0.002
Operation temperature	°C	-5~+65		
Storage temperature	°C	-40~+85		
Package	mm	A: $\phi 5.5 \times 34$ (with 250 μ m Bare Fiber) B: $\phi 5.5 \times 48$ (with 900 μ m Loose Tube Fiber)		

Note: All insertion loss referenced without connector.

Ordering information

Channel space	Start ITU channel number	Fiber Dia.	Fiber length	Connector
1:100GHz 2:200GHz 20: CWDM	C21, C23, 1271... Refer to ITU channel table in page 55	025: $\phi 0.25$ mm (for package A) 09: $\phi 0.9$ mm (for package B)	1: 1.0m customer specify	00: no connector FC, SC, LC, MU/PC, UPC, APC