



TFF 3-ports Coupler

Our 3-ports filter devices are available on ITU channel spacings of 200, 100 and 50Ghz. They are based on thin film filter technology and metallized packaged. Our TFF 3-ports filter devices are Telcordia GR-1221 qualification tested. This product is epoxy-free in the optical path.

Features of our product:

- Exceptional reliability and environmental stability
- Flat and wide passband
- High demux channel isolation

Applications for our product:

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

Specifications:

Parameter	Unit			
Channel Space		100Ghz	200Ghz	CWDM
Central Wavelength		ITU-T grid		
Channel passband	nm	Alpha(ltu)+/-0.11	Alpha(ltu)+/-0.25	Alpha(ltu)+/-6.5
Passband flatness	dB	<=0.5		
Bandwidth (@-0.5dB)	nm	>=0.25	>=0.60	>=0.14
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	dB	>=12	>=12	>=12



Isolation (Reflect channel)	dB	≥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 dimensions (LxWxH)	mm	A: Diam. 5.5x35 (with 250um bare fiber)		
		B: Diam 5.5x48 (with 900um loose tube)		

Ordering Information:

- Channel space: 100GHz, 200GHz, CWDM
- Center wavelength: ITU-grid
- Fiber type: 0.25mm, 0.9mm
- Fiber length: 1.0m, 1.5m, customer request
- Connector: none, FC/PC, FC/APC, SC/PC, SC/APC, LC/PC, MU/P

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing sales2@o-eland.com