

## 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(ITU) $\pm$ 0.11	Alpha(ITU) $\pm$ 0.25	Alpha(ITU) $\pm$ 6.5
Passband flatness	dB	$\leq 0.5$		
Bandwidth (@-0.5dB)	nm	$\geq 0.25$	$\geq 0.60$	$\geq 0.14$
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	$\geq 25$	$\geq 25$	$\geq 30$
Non-adjacent channel isolation	dB	$\geq 45$		
Isolation (Reflect)	dB	$\geq 12$		$\geq 13$

channel)				
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](mailto:sales2@o-eland.com)