

DWDM/CWDM Device



Product Introduction

100GHz/200GHz CWDM 3-port TFF devices are available on ITU channel spacing of 100GHz/200GHz CWDM spacing. These thin film filter products utilize hermetic and epoxy-free optical path technology to provide excellent performance and reliability.

Features

- 100GHz, 200GHz or CWDM Channel Number
- High channel isolation
- Low insertion loss
- Excellent reliability

Applications

- DWDM system
- Single direction/Bi-direction transmission
- CATV system

Standards

- Telcordia GR-1221-CORE
- RoHS

Specifications

Parameter	Unit	Value		
		100GHz	200GHz	300GHz
Central wavelength	nm	ITU-T Grid		
Channel passband	dB	$\lambda_{ITU} + 0.11$	$\lambda_{ITU} + 0.25$	$\lambda_{ITU} + 6.5$
Passband Flatness	dB	≤ 0.5		
Bandwidth(-0.5dB)	nm	≥ 0.30	≥ 0.60	≥ 14
Insertion Loss(pass channel)	dB	Typ:0.7,Max:0.8		
Insertion Loss(reflection channel)	dB	Typ:0.45,Max:0.6		
Adjacent Channel Isolation		≥ 25	≥ 25	≥ 30
Isolation(Reflective Channel)		≥ 12	≥ 12	≥ 13
Non-adjacent Channel Isolation	dB	≥ 45		
Directivity	dB	≥ 50		

Return Loss	dB	≥45
PDL	dB	≤0.15
PMD	dB	≤0.15
Power Handling	mw	≤500
Operation Temperature	°C	-5~+70
Storage Temperature	°C	-40~+85
Package	mm	Φ5.2x32(250um fiber) Φ5.2x38(900um fiber)

Ordering Information

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