

NS-FD-CBAND-NC

The DWDM ITU Components are the result of years of telecommunication experiences in thin-film filter technology.

These devices exceed the requirements of Telcordia GR-1221. They demonstrate low insertion loss and temperature insensitivity, and reliable performance in varieties system applications.

Product



Features

- ◆ Low insertion loss
- ◆ High channel isolation
- ◆ Low polarization dependent loss

Applications

- ◆ Access networks
- ◆ Metro WDM systems
- ◆ Long haul WDM systems
- ◆ Enterprise networks

Specifications

PassBand	1527.31-1565.59nm	Technology	TFF (Thin Film Filter)
Reflect Band	1260-1520.8&1570.2-1651nm	Transmission passband ripple	≤0.40dB
Transmission insertion loss	≤1.1dB	Reflection passband ripple	≤0.20dB
Reflection insertion loss	≤0.40dB	Transmission isolation (adj channel)	≥30dB
Transmission isolation (non-adj channel)	≥50dB	Reflection isolation	≥12dB
Polarization dependent loss	≤0.2dB	Polarization mode dispersion	≤0.2ps
Directivity	≥50dB	Return loss	≥45dB
Optical power handling	≥500	Temperature	Operating:-40 to +85°C Storage:-40 to +85°C
Fiber type	SMF-28e	Package dimension	□ φ 5.5 x L34mm

Note 1) All the specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.

2) PMD and chromatic dispersion values are guaranteed by design.

3) Specifications are subject to change without notice



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Dimensions drawing (mm)



Ordering information

	- Package	-Connector Type	port	-Channel Plan	-Fiber Type	-Fiber Length
	Steel	No connector	UPC	C-BAND	250um Fiber	0.5+/-0.1m
	Glass	LC	APC		900um Fiber	1.0+/-0.1m
		SC				others
		FC				
		Others				