

FIBERWDM's DWDM ITU Components are the result of years of telecommunication experiences in thin-film filter technology. Individual components are available on ITU channel spacing of 50 GHz.

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
- ◆ Exceptional reliability and stability

Applications

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

Specifications

Wavelength range	C- or L-band ITU channels 186.6 to 196.1 THz	Technology	TFF (Thin Film Filter)
Pass Band Width @ -0.5dB	≥ 0.22nm	Transmission passband ripple	≤0.40dB
Transmission insertion loss	≤0.8dB	Reflection passband ripple	≤0.20dB
Reflection insertion loss	≤0.40dB	Transmission isolation (adj channel)	≥20dB
Transmission isolation (non-adj channel)	≥45dB	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	∅ 5.5 x L34mm

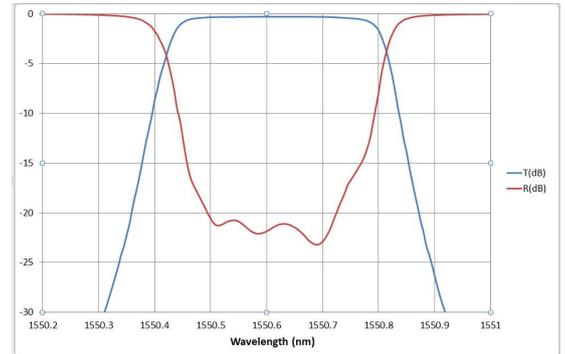
Note 1) All the specifications are based on the devices without connectors, and guaranteed over wavelength, polarization and temperature.

2) PMD and chromatic dispersion values are guaranteed by design.3) Specifications are subject to change without notice

Dimensions drawing (mm)



Spectral plot (dB)



Ordering information

RD-D	- Package	-Connector Type	U/A	-Channel Plan	-Fiber Type	-Fiber Length	-50G
	S: Steel	0: No connector	U: UPC	C19:	25: 250um Fiber	005: 0.5+/-0.1m	50G:50GHZ
	G:Glass	1: LC	A: APC	C20	90: 900um Fiber	01: 1.0+/-0.1m	
		2: SC		C21		others	
		3: FC		others			
		4: Others					

Example: RD-DS1U-C19-2505-50G: 3Port 50GHZ DWDM C19 1562.23nm LC/UPC 250um 0.5M Fiber Steel