

18CH DWDM Mux Demux

The DWDM multiplexer/demultiplexer launched by Guangzhou Sintai Communication Co., Ltd. is designed for multi-wavelength DWDM network applications. It works on ITU grid with 100 GHz channel spacing based on thin film filter (TFF) technology. The wavelength range of DWDM is from 1525nm to 1565 nm with optional ITU channel wavelength. It has a series of advantages, such as multi-kind of packaging structures, low insertion loss, high channel isolation and so on.

Product features

- Low insertion loss (IL)
- High channel isolation
- High stability and reliability
- Wide operating wavelength range
- Provide 1 to 32 channels with compact design
- Conform to ITU-T G.694.1
- Conform to Telcordia GR-1209-CORE-2001 standard
- Conform to Telcordia GR-1221-CORE-1999 standard
- Conform to RoHS-6 (no lead)

Application Area

DWDM system

Product specification

Item	DWDM MUX/DEMUX				
	1	2	4	8	16
Channel number	1	2	4	8	16
Operating wavelength (nm)	1525~1565				
Center wavelength (nm)	ITU-T Grid				
Channel spacing (nm)	0.8nm(100GHz)				
Channel insertion loss (dB)	≤0.8	≤1.2	≤1.8	≤2.6	≤4.5
Channel bandwidth (dB)	ITU±0.11				
Flatness (dB)	≤0.5				
Adjacent channel isolation (dB)	≥30				
Non-adjacent channel isolation (dB)	≥40				
Return loss (dB)	≥50				

Directivity (dB)	≥55
Polarization-dependent loss (dB)	≤0.2
Polarization mode dispersion (ps)	≤0.2
Power Handling (dB)	≤500
Operating Temperature (°C)	0~+70
Storage Temperature (°C)	-40 ~+85
Package type	Steel tube, ABS box, LGX standard box, 1U standard 19 inch rack

