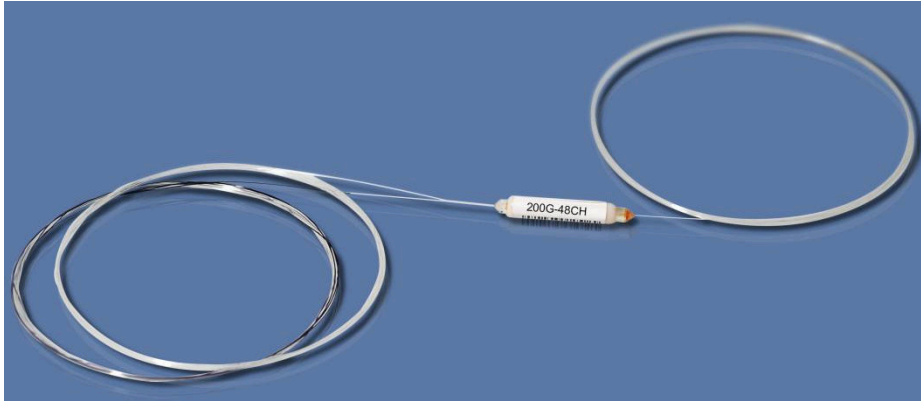
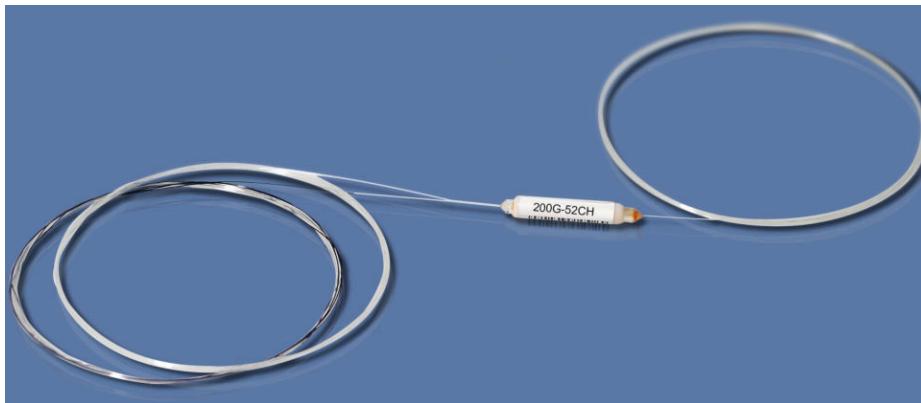


100GHz DWDM Devices specification



200G-48CH



200G-52CH

Description

DWDM 100GHz devices are based on Thin-Film Technology and All-Glass Packaged platform, keeping the device in compact size and excellent performance. Channels comply with ITU grid.

Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path

Applications

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber Optical amplifier
- Access Network

Performance Specifications

Parameters		Unit		Specifications Standard	Specifications Premium
1	Operating Wavelength Range	nm		1520~1570	1460-1640
2	Channel Spacing	GHz		200	
3	Channel Pass Band	nm		ITU ± 0.22	ITU ± 0.25
4	Channels	nm		ITU Grid	
5	Pass Band Ripple	Max.	dB	0.35	0.25
6	Channel Insertion Loss	Max.	dB	0.80 (Typical 0.60)	0.60(Typical 0.50)
7	Reflection Channel Insertion Loss	Max.	dB	0.40 (Typical 0.35)	0.30(Typical 0.25)
8	Adjacent Channel Isolation	Min.	dB	30	35
9	Non-Adjacent Channel Isolation	Min.	dB	45	50
10	Reflection Channel Isolation	Min.	dB	13	15
11	Return Loss	Min.	dB	45	50
12	Polarization Dependent Loss	Max.	dB	0.15	0.10
13	Power Handling	Max.	mW	300	
14	Tensile Load	Max.	N	5	
15	Operation Temperature Range	°C		-40 to 85	
16	Storage Temperature Range	°C		-40 to 85	
17	Fiber Jacket & Fiber Length	cm		Customized	
18	Package Dimensions-Type 1	mm		< 3.8 (Φ) * 30 (L)	
	Package Dimensions-Type 2	mm		< 4.2 (Φ) * 30 (L)	
	Package Dimensions-Type 3	mm		< 5.5 (Φ) * 58 (L)	
19	Fiber Type	G.652D / G.657 A1 (or Customized)			
20	Fiber Marking	Customized			

- Above specifications are for devices without connector.
- Specifications may change without notice.