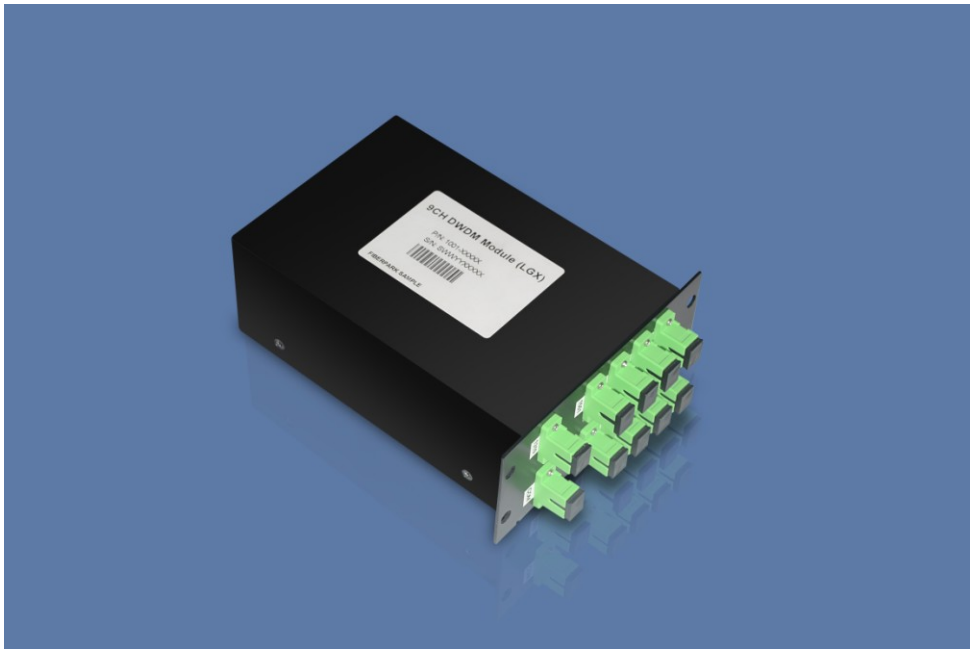
DWDM Modules Specification



Description

DWDM modules are based on Thin-Film Technology and All-Glass Packaged platform, keeping the device in compact size and excellent performance. Excellent device qualification test ensure the long term performance of module products in field applications.

Features

- λ Low Insertion Loss
- λ Excellent Channel Isolation
- λ High Channel Isolation
- λ High Stability and reliability
- λ Epoxy-free on Optical Path
- λ Low Cost

Applications

- λ WDM Channels Add/Drop Systems
- λ WDM Networks & Systems
- λ CATV Fiber Optical Links
- λ Long Haul & Short-Distance Applications
- λ Accessing LAN & WAN Network

Performance Specifications

Parameters		Unit	Specifications			
1	Operating Wavelength Range	nm	1260 ~ 1620		1520 ~ 1570	
2	Channel Spacing	---	20nm		100GHz	
3	Channel Passband (@-0.5dB bandwidth)	nm	IUT ± 6.5		UT ± 0.11	
4	Channel Quantity	---	C4CH	C8CH	C4CH	C8CH
5	Max. Pass Band Ripple	dB	<0.35		<0.4	
6	Max. Channel Insertion Loss	dB	≤1.8	≤3.0	≤2.0	≤3.2
7	Min. Adjacent Channel Isolation	dB	>30		>25	
8	Min. Non-Adjacent Channel Isolation	dB	>45		>35	
9	Min. Return Loss	dB	≥45			
10	Max. PDL	dB	<0.1	<0.1	<0.20	<0.30
11	Insertion Loss Temperature Sensitivity	dB/℃	<0.005			
12	Wavelength Temperature Shifting	nm/℃	<0.002			
13	Max. Power Handling	mW	300			
14	Directivity	dB	≥50			
15	Operation Temperature Range	℃	-40 to +80			
16	Storage Temperature Range	℃	-40 to +85			
17	Fiber Jacket & Fiber Length	cm	Customize			
18	Package Dimensions – 1	mm	100 * 80 * 10 or Customize			
19	Package Dimensions – 2	mm	LGX Compatible			
20	Package Dimensions – 3	mm	19” 1U Rack Mounted			
21	Connector Type	--	SC/LC/FC or Customize			
22	Fiber Type and Jacket Color		G.652D / G.657 A1 (or Customize)			

Remark: 0.3dB will be added on IL with connectors pairs included.