

DWDM Device

Features

- Low insertion Loss
- Low PDL
- High channel isolation
- Excellent environmental reliability

Applications

- WDM system
- CATV



Specifications

Parameters	Unit	SUN-DWDM Device		
Operating Wavelength		ITU channels 186.6 to 196.1 THz		
Channel Space	Ghz	100	200	
Channel Center Wavelength	nm	ITU Grid		
Center Wavelength Accuracy	nm	±0.05	±0.1	
Channel Passband (@-0.5dB)	nm	≥0.22	≥0.5	
Insertion Loss	dB	Transmission: ≤ 0.9		
		Reflection: ≤ 0.4		
Adjacent Channel Isolation	dB	≥ 30		
Non-adjacent Channel Isolation	dB	≥ 45		
Reflection Channel Isolation	dB	≥ 13		
PDL	dB	≤ 0.1		
PMD	ps	≤ 0.1		
Return loss	dB	≥ 45		
Directivity	dB	≥ 50		
Optical Power	mW	≤ 500		
Operating Temperature	°C	-10 ~ +70		
Storage Temperature	°C	-40 ~ +85		
Relative Humidity	%	5~ 95		
Dimension	mm	Φ5.5×34 or Φ5.5×38	Φ4.2×25	90×20×10

Note: 1. Customization is available.

2. Specified without connector, and add an additional 0.2dB loss per connector.

Ordering Information: SUN-DWDM-A-B-C-D-E-F

A	B	C	D	E	F
Channel Center Wavelength	Tube Type	Fiber Length (Include connector)	Connector	Dimension	Channel Spacing
Cxx- Txxxxnm (xx =Channel Number) eg. C57: T1531.9nm	25: 250um 90: 900um 20: 2000um 30: 3000um X: Others	05: 0.5m±0.05m 10: 1.0m±0.05m 15: 1.5m±0.05m X: Others	OO: None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC STP: ST/PC LP: LC/PC LA: LC/APC X: Others	5538: Φ5.5×38mm 5534: Φ5.5×34mm 4225: Φ4.2×25mm 9021: 90×20×10mm X: Others	100G: 100G 200G: 200G