

DWDM Device

Features

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



Applications

- WDM system
- CATV

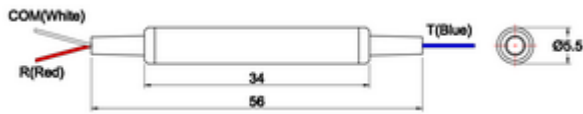
DWDM can realize the multiplexing and demultiplexing between two communication channel, and available on ITU channel spacing of 100/200 GHz. It can expand the capacity of single fiber to achieve bidirectional communication, which can widely used in optical network upgrade and expansion, or introduce new comprehensive business etc.

Specifications

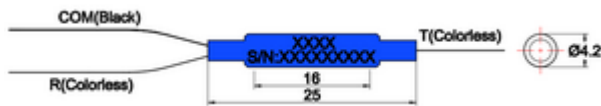
Parameters	Unit	DWDM Device	
Operating Wavelength		ITU channels 186.6 to 196.1 THz	
Channel Space	Ghz	100	200
Channel Center Wavelength	nm	ITU Grid	
Center Wavelength Accuracy	nm	±0.05	±0.1
Channel Passband (@-0.5dB)	nm	≥0.22	≥0.5
Insertion Loss	dB	Transmission: ≤ 0.9	
		Reflection: ≤ 0.4	
Adjacent Channel Isolation	dB	≥ 30	
Non-adjacent Channel Isolation	dB	≥ 45	
Reflection Channel Isolation	dB	≥ 12	
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	Φ4.2×25
Note: 1. Customization is available.			
2. Specified without connector, and add an additional 0.2dB loss per connector.			

Dimension

5534: $\Phi 5.5 \times 34$ mm



4225: $\Phi 4.2 \times 25$ mm



Ordering Information: CWDM-A-B-C-D-E

A	B	C	D	E
Channel Center Wavelength	Tube Type	Fiber Length (Include connector)	Connector	Dimension
Txx: Txxxxnm (xx =Channel Number) eg. T57: T1531.9nm	25:250um 90:900um X: Others	05: 0.5m $\pm$ 0.05m 10: 1.0m $\pm$ 0.05m 15: 1.5m $\pm$ 0.05m X: Others	OO:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC STP: ST/PC STA: ST/APC LP: LC/PC LA: LC/APC X: Others	5534: $\Phi 5.5 \times 34$ mm 4225: $\Phi 4.2 \times 25$ mm X: Others