

CWDM Device

Features

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



Applications

- WDM system
- CATV

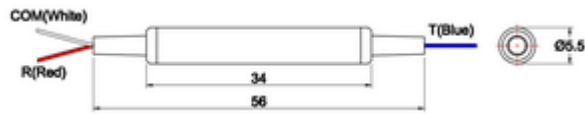
CWDM can realize the multiplexing and demultiplexing between two communication channel .It can expand the capacity of single fiber to achieve bidirectional communication, which can widely used in optical network upgrade and expansion, or introduce new comprehensive business etc.

Specifications

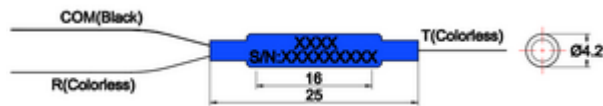
Parameters	Unit	CWDM Device	
Wavelength Range	nm	1260 ~ 1620	
Channel Center Wavelength	nm	1270/1290/1610or1271/1291/.../1611	
Channel Spacing	nm	20	
Channel Passband	nm	$\lambda_c \pm 7.5$	
Insertion Loss	dB	Transmission: ≤ 0.6	
		Reflection: ≤ 0.4	
Adjacent Channel Isolation	dB	≥ 30	
Non-adjacent Channel Isolation	dB	≥ 40	
Reflection Channel Isolation	dB	≥ 15	
PDL	dB	≤ 0.1	
Wavelength thermal stability	nm/°C	≤ 0.003	
Insertion loss thermal stability	dB/°C	≤ 0.005	
Return loss	dB	≥ 45	
Optical Power	mW	≤ 500	
Operating Temperature	°C	-10 ~ +70	
Storage Temperature	°C	-40 ~ +85	
Relative Humidity	%	5 ~ 95	
Dimension	mm	$\Phi 5.5 \times 34$	$\Phi 4.2 \times 25$
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
Txxxx: xxxnm (xxxx =Channel Center Wavelength) eg. T1470: 1470nm	25:250um 90:900um 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 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