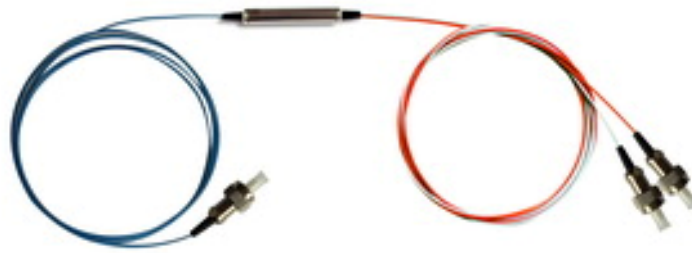# WDM

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.
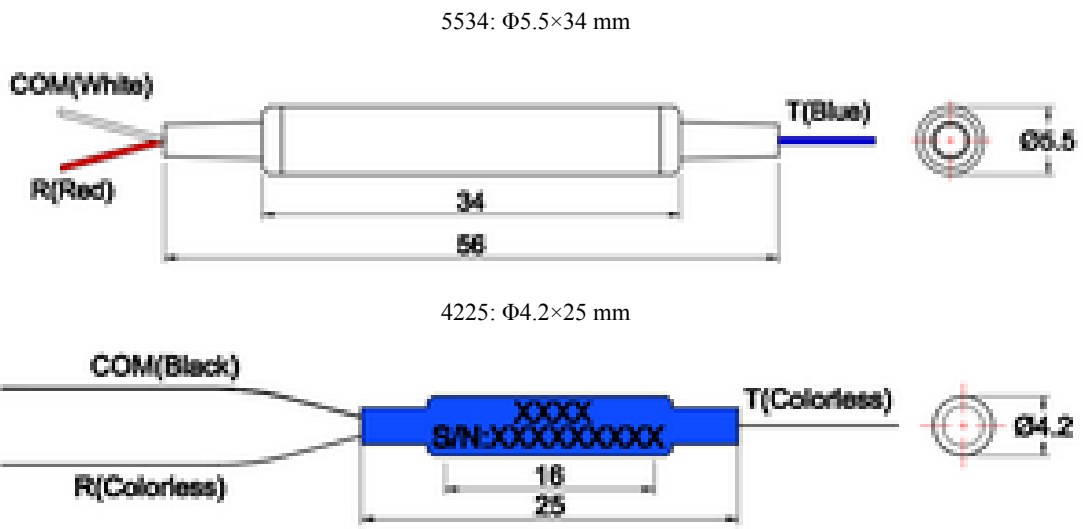
Specifications

Parameters	Unit	SUN-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/□	≤ 0.003
Insertion loss thermal stability	dB/□	≤ 0.005

Return loss	dB	≥ 45	
Optical Power	mW	≤ 500	
Operating Temperature	☐	-10 ~ +70	
Storage Temperature	☐	-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: Φ5.5×34 mm

4225: Φ4.2×25 mm

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

A	B	C	D	E
Channel Center Wavelength	Tube Type	Fiber Length (Include connector)	Connector	Dimension
Txxxx: xxxxnm (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	