

WD1615/C, WD1516/L
C-Band / L-Band MWDM

Technical specification

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1.0 PRODUCT DESCRIPTION

WD1615/C, WD1516/L WDM is based on mature thin film filtering tech, with wide bandwidth, flatness, low insertion loss and high isolation. It is mainly applied to EDFA and DWDM network to achieve the combination and separation of C-Band and L-Band.

WD1615/C: C-Band Pass.

WD1516/L: L-Band Pass.

2.0 PRODCUT FEATURES

- Low insert loss
- High channel isolation
- High pass band flatness
- High stability and reliability
- Optical link without epoxy glue

3.0 MAINLY APPLICATION

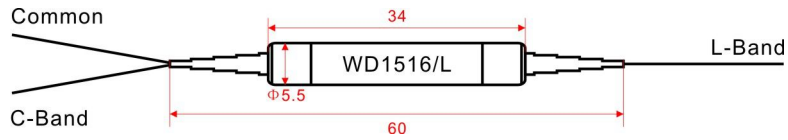
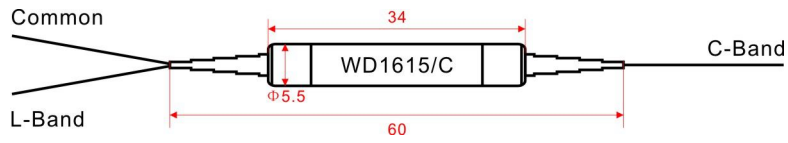
- Optical fiber amplifier
- DWDM system
- Optical fiber instrument
- Laboratory

4.0 TECHNICAL PARAMETER

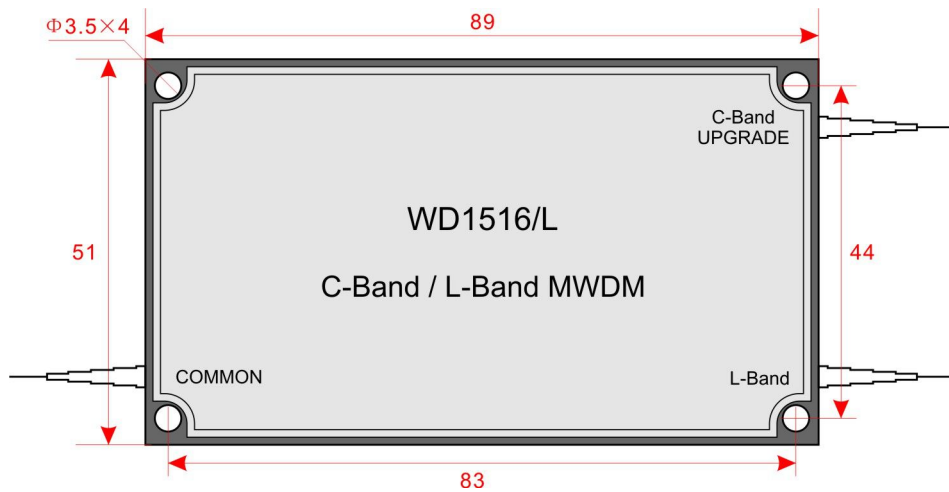
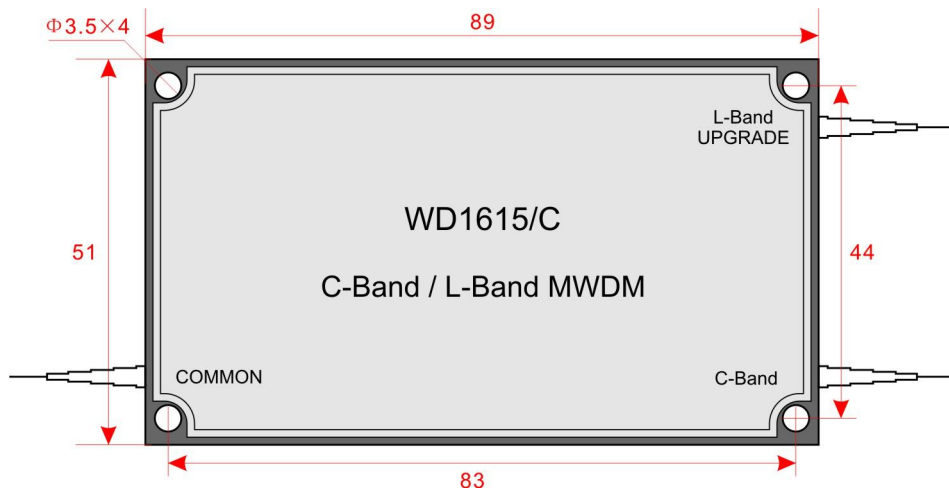
Performance			Index			Supplement
			Min.	Typ.	Max.	
Transmission channel wavelength range	(nm)	1500		1564	WD1615/C	
		1574		1640	WD1516/L	
Reflection channel wavelength range	(nm)	1574		1640	WD1615/C	
		1500		1564	WD1516/L	
Insertion loss	Transmission channel	(dB)			0.6	
	Reflection channel				0.4	
Isolation	Transmission channel	(dB)	30			
	Reflection channel		13			
Pass band rippling		(dB)			0.3	
Directivity		(dB)	50			
Return loss		(dB)	50			
Polarization mode dispersion		(ps)			0.05	
Polarization dependent loss		(dB)			0.1	
Transmit power		(mW)			500	
Operating temp.		(°C)	-10		+70	
Storage temp.		(°C)	-40		+85	
Optical fiber type			SMF-28e with 900 μ m loose tube			
Optical fiber connector			SC/APC			
Size	(mm)	Φ 5.5×34			S	
		89×51×8			M	

5.0 SIZE

5.1 S EXTERIOR



5.2 M EXTERIOR



6.0 PRODUCT SERIES

Model number	Transmission band	Reflection band	Exterior	Connector	Supplement
WD1615/C-S-00	C-Band	L-Band	Φ 5.5×34	None	
WD1615/C-M-SA			89×51×8	SC/APC	FC/APC optional
WD1516/L-S-00	L-Band	C-Band	Φ 5.5×34	None	
WD1516/L-M-SA			89×51×8	SC/APC	FC/APC optional

7.0 MODEL EXPLANATION

WD 16 15 / C - □ - S A

Product series		Reflection wavelength		Transmission wavelength		Transmission wavelength code		Exterior		Connector	
WD	Band multiplexer	16	L-Band	15	C-Band	C	C-Band	S	Single component Φ5.5×34mm	00	None
		15	C-Band	16	L-Band	L	L-Band	M	Module 89×51×8mm	SA	SC/APC
										SP	SC/UPC
										FA	FC/APC
										FP	FC/UPC
										LA	LC/APC
										LP	LC/UPC

WD 15 16 / L - □ - S A

Product series		Reflection wavelength		Transmission wavelength		Transmission wavelength code		Exterior		Connector	
WD	Band multiplexer	15	C-Band	16	L-Band	C	C-Band	S	Single component Φ5.5×34mm	00	None
		16	L-Band	15	C-Band	L	L-Band	M	Module 89×51×8mm	SA	SC/APC
										SP	SC/UPC
										FA	FC/APC
										FP	FC/UPC
										LA	LC/APC
										LP	LC/UPC