

WD1616/R, WD1616/B
L-Band Red/Blue-Band Pass MWDM
Technical specification

Content

1.0	PRODUCT DESCRIPTION	1
2.0	PRODCUT FEATURES	1
3.0	MAINLY APPLICATION	1
4.0	TECHNICAL PARAMETER	2
5.0	SIZE	3
5.1	S EXTERIOR.....	3
5.2	M EXTERIOR.....	3
6.0	PRODUCT SERIES	4
7.0	MODEL EXPLANATION	4

1.0 PRODUCT DESCRIPTION

WD1616/R, WD1616/B is based on mature thin film filtering tech, with wide bandwidth, flatness, low insertion loss and high isolation. It is mainly applied to the combination and separation of L-Band, Red-Band (1589~1603nm) and Blue-Band (1570~1584nm).

WD1616/R:Red-Band Pass.

WD1616/B:Blue-Band Pass.

2.0 PRODCUT FEATURES

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

3.0 MAINLY APPLICATION

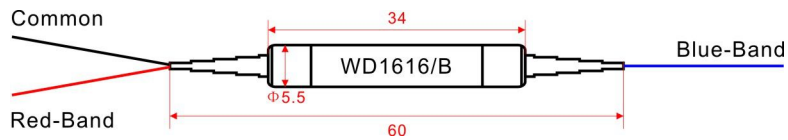
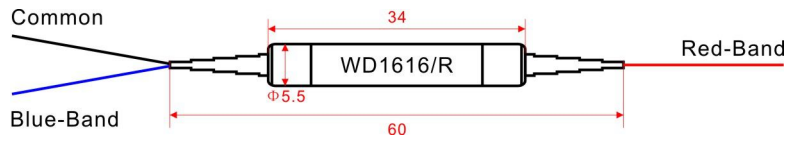
- Optical fiber amplifier
- System monitor
- Optical fiber instrument
- Laboratory R&D

4.0 TECHNICAL PARAMETER

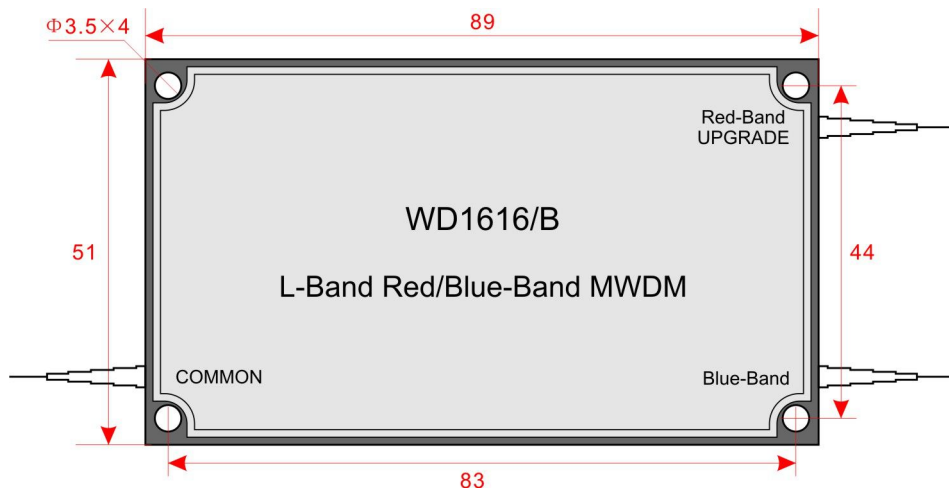
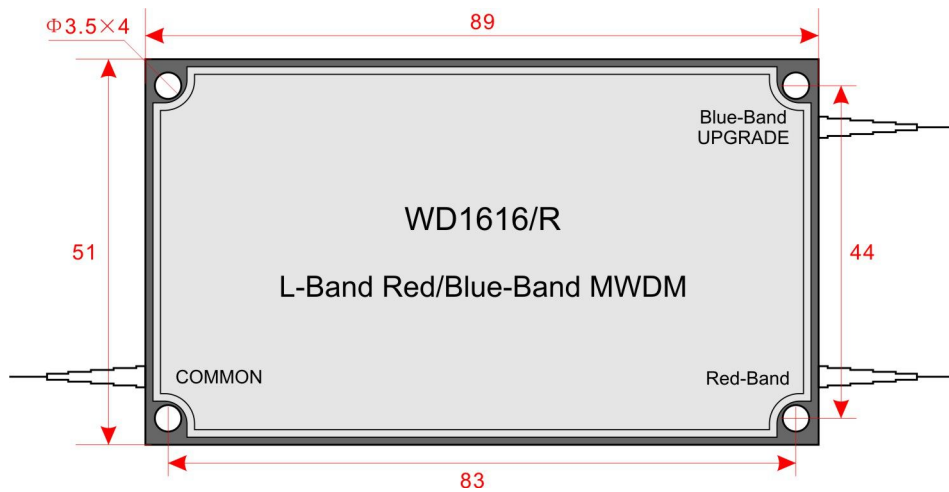
Performance			Index			Supplement
			Min.	Typ.	Max.	
Transmission channel wavelength range	(nm)	1570		1584	WD1616/B	
		1589		1603	WD1616/R	
Reflection channel wavelength range	(nm)	1570		1584	WD1616/R	
		1589		1603	WD1616/B	
Insertion loss	Transmission channel			0.6		
	Reflection channel			0.4		
Isolation	Transmission channel	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		
Power handling	(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
WD1616/R-S-00	L/Blue-Band	L/Red-Band	Φ 5.5×34	None	
WD1616/R-M-SA			89×51×8	SC/APC	FC/APC optional
WD1516/B-S-00	L/Red-Band	L/Blue-Band	Φ 5.5×34	None	
WD1516/B-M-SA			89×51×8	SC/APC	FC/APC optional

7.0 MODEL EXPLANATION

WD 16 16 / R - M - S A

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