

WD1616/R, WD1616/B

C-Band Red/Blue-Band Pass MWDM

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.

PRODUCT FEATURE

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

MAIN APPLICATION

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

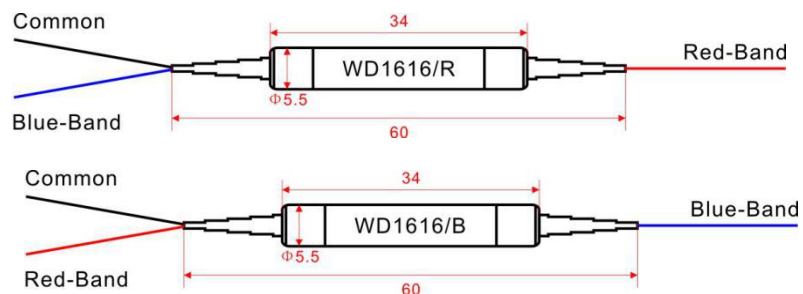


TECHNIQUE INDEX

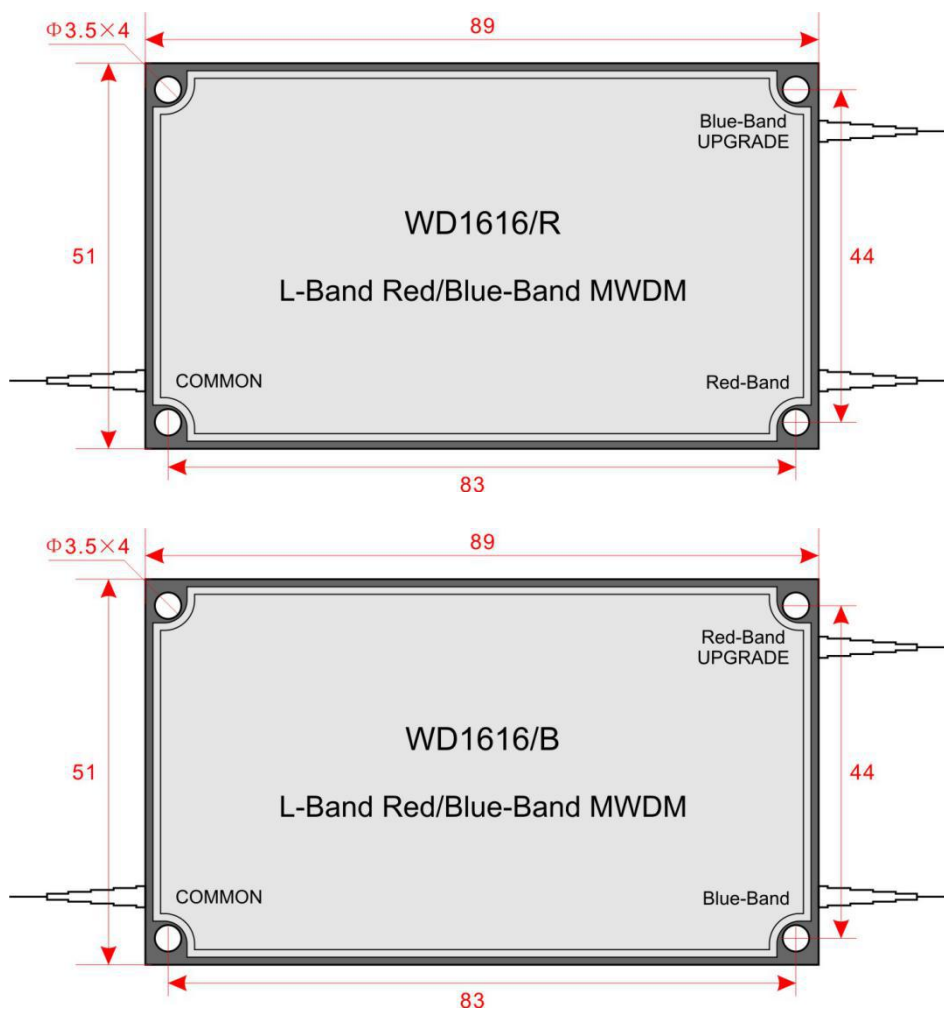
Performance		Index			Supplement
		Min.	Typ.	Max.	
Transmission channel wavelength range	(nm)	1570		1584	WD1616/B
		1589		1603	WD1616/R
Reflection channel wavelength range	(nm)	1570		1584	WD1616/R
		1589		1603	WD1616/B
Insertion loss	Transmission channel	(dB)		0.6	
	Reflection channel			0.4	
Isolation	Transmission channel	(dB)	30		
	Reflection channel		13		
Pass band ripple	(dB)			0.3	
Directivity	(dB)	50			
Return loss	(dB)	50			
Polarization mode dispersion	(ps)			0.05	
Polarization dependence loss	(dB)			0.1	
Power handling	(mW)			500	
Operating temp.	(°C)	-10		+70	
Storage temp.	(°C)	-40		+85	
Fiber type		SMF-28e with 900μm loose tube			
Optical connector		SC/APC			
External dimension	(mm)	Φ5.5×34			S
		89×51×8			M

EXTERIOR DIMENSION

S exterior



M exterior



Model number	Transmission band	Reflection band	Exterior (mm)	Connector	Supplement
WD1616/R-S-00	L/Blue-Band	L/Red-Band	Φ5.5×34	None	
WD1616/R-M-SA			89×51×8	SC/APC	FC/APC optional
WD1616/B-S-00	L/Red-Band	L/Blue-Band	Φ5.5×34	None	
WD1616/B-M-SA			89×51×8	SC/APC	FC/APC optional

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 $\Phi 5.5 \times 34 \text{ mm}$	00	None				
						B	Blue-Band	M	Module $89 \times 51 \times 8 \text{ mm}$	SA	SC/APC				
														SP	SC/UPC
														FA	FC/APC
														FP	FC/UPC
														LA	LC/APC
										LP	LC/UPC				