

WD1510
C-Band 1510nm BWDM
Technical index

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1.0 PRODUCT DESCRIPTION

WD1510 WDM is based on mature thin film filtering tech, with wide bandwidth, flatness, low insertion loss and high isolation. It is mainly applied to WDM network to achieve the combination and separation of C-Band 1510nm (± 10 nm, monitor and control channel).

WD1510: reflection wavelength: 1528~1563nm, transmission wavelegnth: 1500~1520nm (1510nm).

2.0 PRODUCT FEATURE

- Low insertion loss
- High channel isolation
- High band flatness
- High stability and reliability

3.0 MAIN APPLICATION

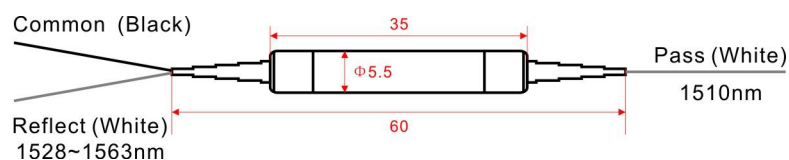
- EDFA
- System Monitoring
- CWDM

4.0 TECHNICAL INDEX

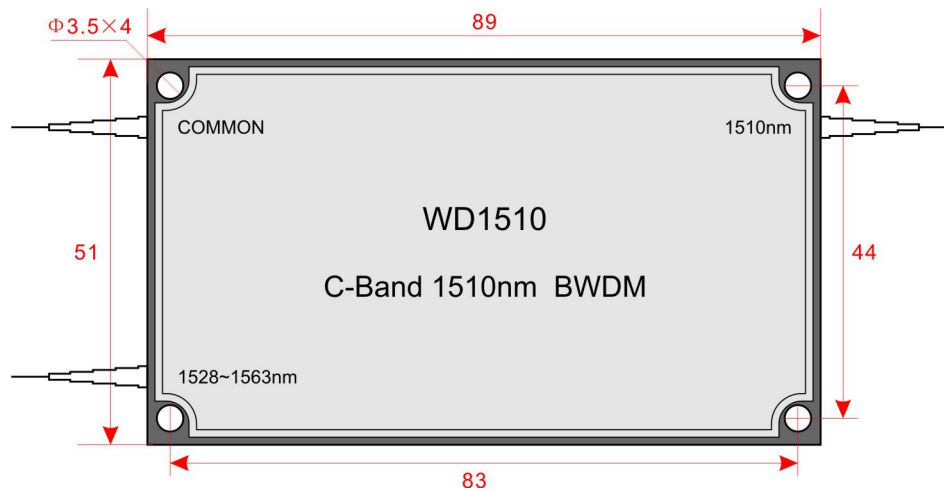
Performance		Index			Supplemnet
		Min.	Typ.	Max.	
Transmission channel wavelength range		(nm)	1500	1510	1520
Reflection channel wavelength range		(nm)	1528		1565
Insertion loss	Transmission channel	(dB)			0.8
	Reflection channel				0.5
Isolation	Transmission channel	(dB)	25		
	Reflection channel		15		
Polarization dependence loss		(dB)			0.1
Polarization mode dispersion		(ps)			0.05
Directivity		(dB)	55		
Echo loss		(dB)	50		
Power handling		(mW)			500
Operating temp.		(°C)	-20		+85
Storage temp.		(°C)	-40		+85
Fiber type			SMF-28e with 900 μ m loose tube		
Fiber length				1.2	
Optical connector			SC/APC		
Exterior dimension		(mm)	Φ5.5×34		
			83×14×8		S0
			89×51×8		M1
					M2

5.0 EXTERIOR DEMENSION

5.1 S0 EXTERIOR



5.2 M2 EXTERIOR



6.0 PRODUCT SERIES

Model number	Reflection channel	Transmission channel	Exterior	Connector
WD1510-S0-00	1528~1563nm	1500~1520nm	Φ5.5×34mm	None
WD1510-M1-SA			83×14×8mm	SC/APC
WD1510-M2-SA			89×51×8mm	SC/APC

7.0 MODEL EXPLANATION

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Product series		Reflection wavelength		Transmission wavelength		Dimension		Connector	
WD	Band multiplexer	15	1528~1563nm	10	1510nm 1500~1520nm	S0	Φ5.5×34mm	00	None
						M1	83×14×8mm	SA	SC/APC
						M2	89×51×8mm	SP	SC/UPC
								FA	FC/APC
								FP	FC/UPC
								LA	LC/APC
								LP	LC/UPC