

WD1510 C-Band 1510nm BWDM

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 ($\pm 10\text{nm}$, monitor and control channel).

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

PRODUCT FEATURE

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

MAIN APPLICATION

- EDFA
- System Monitoring
- CWDM

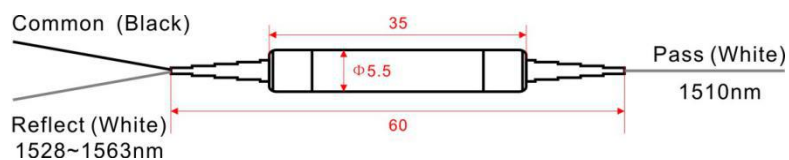


TECHNIQUE INDEX

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

EXTERIOR DIMENSION

S exterior



Model number	Reflection wavelength	Transmission wavelength	Dimension	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

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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