

WD1543 1550 & 1310/1490nm MWDM

PRODUCT DESCRIPTION

WD1543 WDM is based on mature thin film filtering tech, with wide bandwidth, flatness, low insertion loss and high isolation. It is mainly applied to FTTx PON network to achieve the combination and separation of the 1550nm (CATV) and 1310/1490nm (data).

PRODUCT FEATURE

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

MAIN APPLICATION

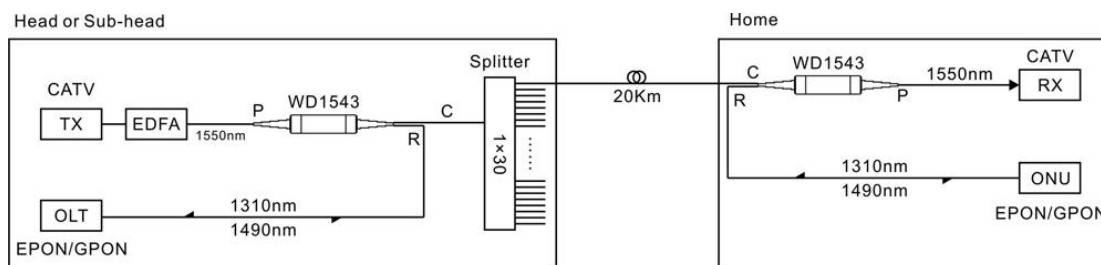
- ▶ FTTx PON (EPON, GPON)
- ▶ Triple-play



TECHNIQUE INDEX

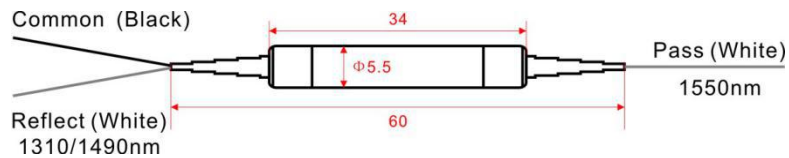
Performance			Index			Supplement
			Min.	Typ.	Max.	
Transmission channel wavelength range		(nm)	1540		1565	
Reflection channel wavelength range		(nm)	1260~1360 & 1480~1500			
Insertion loss	Transmission channel	(dB)			0.4	
	Reflection channel				0.3	
Isolation	Transmission channel	(dB)	40	45		
	Reflection channel		20	25		
Polarization dependence loss	Transmission channel	(dB)			0.02	
	Reflection channel				0.03	
Directivity		(dB)	50			
Return loss		(dB)	50			
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
			100×80×10			M1

THE APPLICATION OF WD1543 IN FTTX PON NETWORK

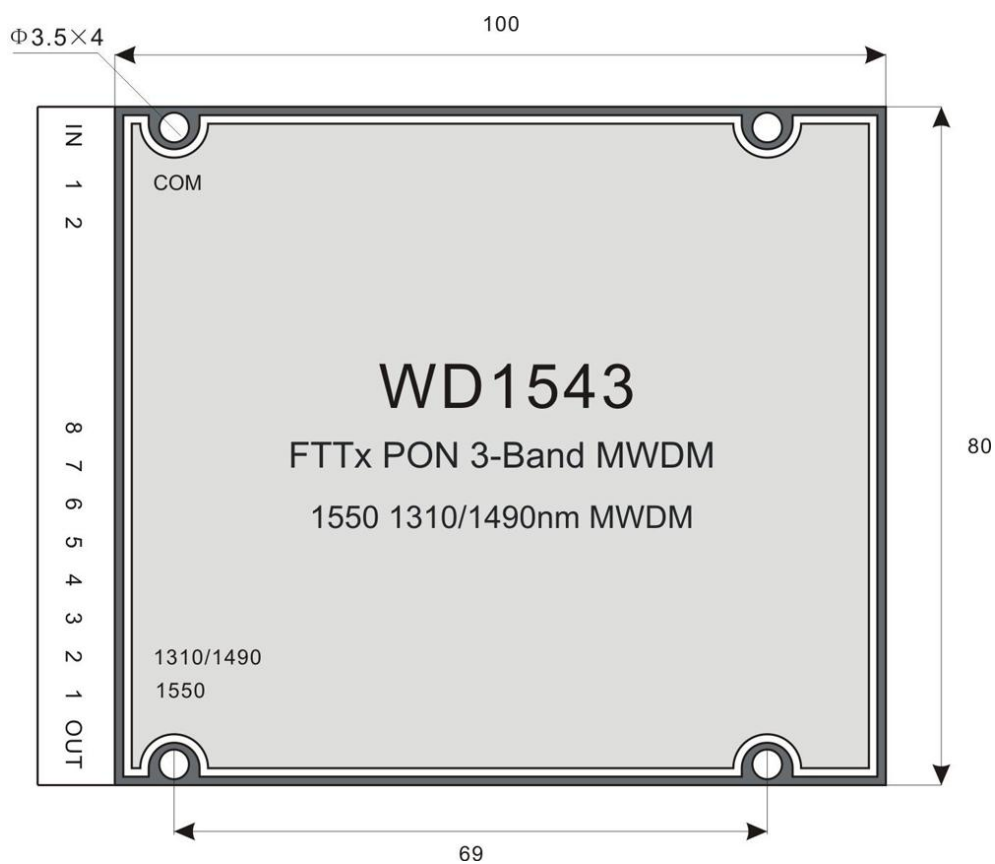


EXTERIOR DIMENSION

S exterior



M1 exterior



Model number	Transmission wavelength	Reflection wavelength	Dimension	Connector
WD1543-S0-00	1540~1565nm	1310/1490nm	Φ5.5×34mm	None
WD1543-M1-SA			100×80×10mm	SC/APC

[illegible]