

PON-WDM-1543 Series
1550/1310~1490nm Wavelength Division
Multiplexer

Technical Specification

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1.0 PRODUCT DESCRIPTION

PON-WDM-1543 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).

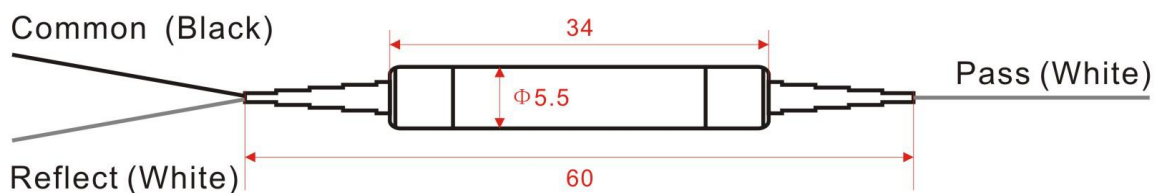
2.0 PRODUCT FEATURE

- Uni-directional WDM system
- High channel isolation
- High band flatness
- High stability and reliability

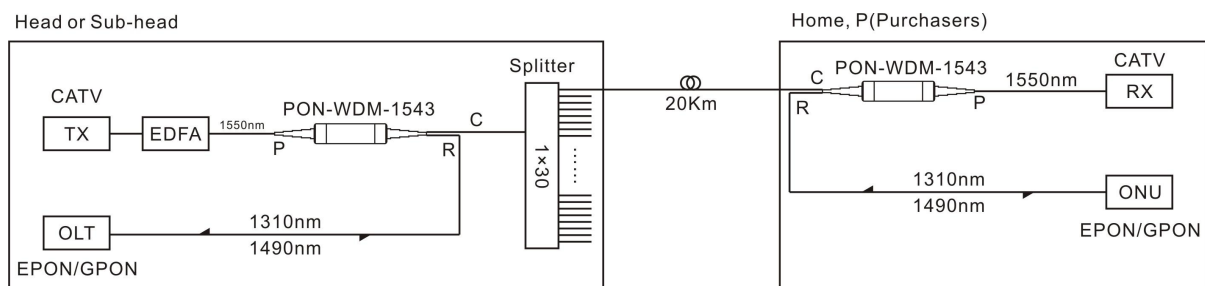
3.0 MAIN APPLICATION

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

4.0 Exterior size



5.0 The application of PON-WDM-1543 in FTTx PON network



6.0 TECHNICAL INDEX

Performance			Index		
			Min.	Typ.	Max.
Transmission channel wavelength range		(nm)	1540		1565
Return channel wavelength range		(nm)	1260~1360 & 1480~1500		
Insertion loss	Transmission channel	(dB)			0.4
	Return channel				0.3
Isolation	Transmission channel	(dB)	40	45	
	Return channel		20	25	
Polarization dependence loss	Transmission channel	(dB)			0.02
	Return channel				0.03
Directivity		(dB)	50		
Echo loss		(dB)	50		
Power handing		(mW)			500
Operating temp.		(℃)	-40		+85
Storage tmp.		(℃)	-40		+85
Fiber type			SMF-28e 900μm loose tube		
Fiber length	Com port			1.2	
Size		(mm)	Φ5.5×35		