WD5643

RFoG 4-Band multiplexer 1550, 1610 & 1310/1490nm MWDM

PRODUCT DESCRIPTION

WD5643 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

▶RFoG FTTx PON (EPON, GPON)

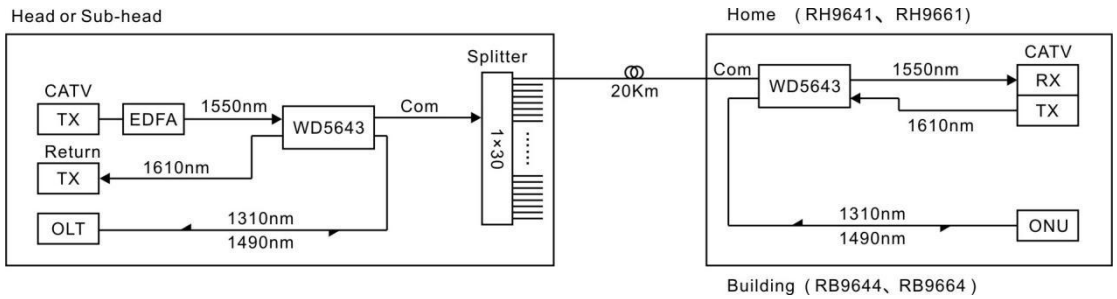
▶Triple-play

EXTERIOR DIMENSION - M EXTERIOR

TECHNIQUE INDEX

Performance			Index			Supplement
			Min.	Typ.	Max.	
Transmission wavelength	λ1	(nm)	1540	1550	1565	
	λ2		1580	1610	1620	
Reflection wavelength	λ3	(nm)	1260~1360	1310/1490	1480~1500	
Insertion loss	λ1	(dB)			0.8	
	λ2				0.7	
	λ3				0.3	
Isolation	λ1	(dB)	60			
	λ2		50			
	λ3		25			
Directivity		(dB)	50			
Echo loss		(dB)	50			
Power handling		(mW)			500	
Operating temp.		(℃)	-20		+85	
Storage temp.		(℃)	-40		+85	
Fiber length		(m)	0.5			
Fiber type			SMF-28e with 900μm loose tube			
Optical connector			SC/APC, FC/APC			Other options
External dimension		(mm)	100×80×10			

THE APPLICATION OF WD5643 IN FTTX PON NETWORK



PRODUCT SERIES

Model number	Transmission wavelength (λ1)	Transmission wavelength (λ2)	Reflection wavelength (λ3)	Exterior (mm)	Connector
WD5643-M2-SA	1550nm (1540~1565nm)	1610nm (1580~1620nm)	1310/1490nm (1260~1380nm &1480~1500nm)	100×80×10	SC/APC
WD5643-M2-FA					FC/APC
WD5643-M2-LA					LC/APC

MODEL EXPLANATION