

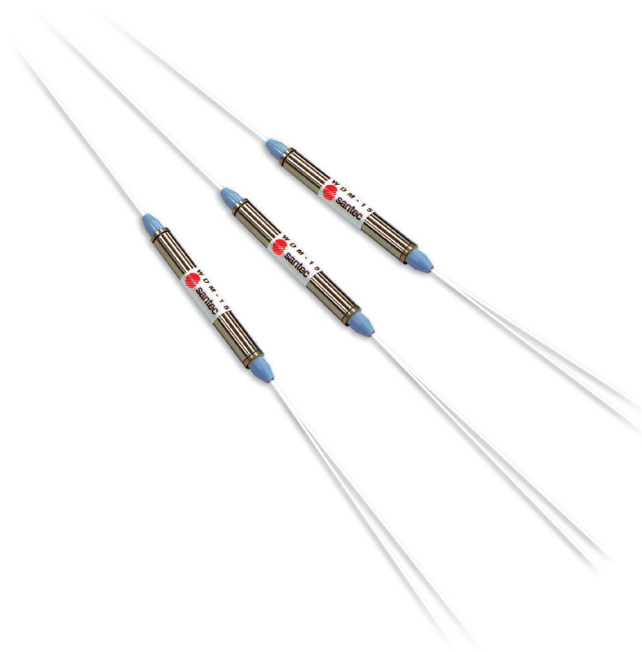


1.3/1.55 Splitter/Combiner

WDM-15

Product Overview

The 3 port splitter/combiner is 3 port filter module based on the cutting-edge thin film filter technology which divides 1.3 μm band and 1.55 μm band with low insertion loss and high isolation as well as long term stability and reliability.



Features

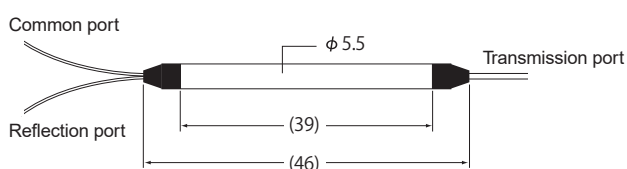
- Low loss, low PDL
- High channel isolation
- Compact size for system integration
- Telcordia GR-1221 qualified
- RoHS compliant



Applications

- CATV, Access Networks
- CWDM, Band split

Dimensions Unit [mm]



Typical Performance

Parameter	Unit		
Thermal Stability (Wavelength)	Typ.	nm/°C	0.005
Directivity	Min.	dB	45
Return Loss	Min.	dB	45
Polarization Dependent Loss (PDL)	Max.	dB	0.15
Polarization Mode Dispersion (PMD)	Max.	ps	0.1
Optical Power	Max.	dBm	23
Operating Temperature	-	°C	-5 to +70
Storage Temperature	-	°C	-40 to +85

Filter Specifications

Parameter	Unit		
1.3m Pass Band (-0.5 dB Bandwidth)	Min.	nm	1260-1360
1.55m Pass Band (-0.5 dB Bandwidth)	Max.	nm	1460-1610
Flatness	Max.	dB	0.5
Insertion Loss	Min.	dB	1.0
Adjacent Channel Isolation	Min.	dB	40
Insertion Loss of Reflect Channels	Max.	dB	0.5
Reflect Channel Isolation	Min.	dB	15 (Typ. 18)

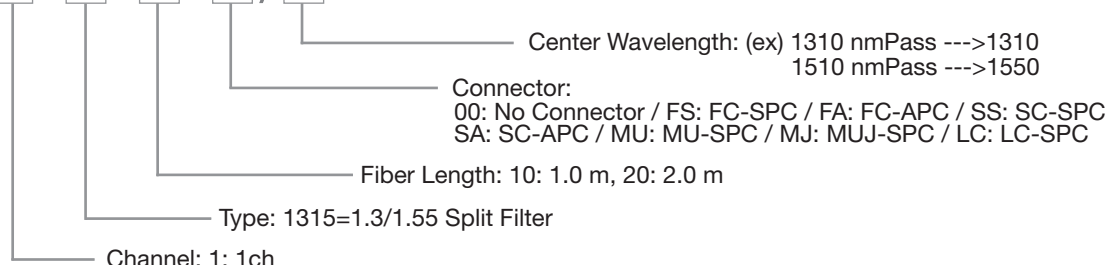
*1 All parameters are specified over operating temperature range.

*2 Insertion loss per filter includes Ripple and PDL, without connectors.

*3 Please contact santec to discuss specific performance requirements.

Ordering Code

WDM-15 - A - B - C - D / E



Santec Japan Corporation
Tel: +81-568-79-3536

Santec Europe Ltd.
Tel: +44-20-3176-1550

Santec USA Corporation
Toll-Free: +1-800-726-8321

Santec (Shanghai) Corporation Limited
Tel: +86-21-58361261

