

1.3/1.55 Splitter/Combiner WDM-15

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

Features

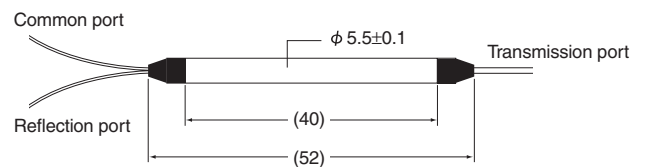
- ▶ Low loss, low PDL
- ▶ High channel isolation
- ▶ Compact size for system integration
- ▶ Telcordia GR-1221 qualified
- ▶ RoHS compliant

Applications

- ▶ CATV, Access Networks
- ▶ CWDM, Band split



Dimensions



Unit: mm

Typical Performance

Parameter	Units		
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	Units		
1.3μm Pass Band (-0.5dB Bandwidth)	-	nm	1260-1360
1.55μm Pass Band (-0.5dB Bandwidth)	-	nm	1460-1610
Flatness	Max.	dB	0.5
Insertion Loss	Max.	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

A=Channel

1=1ch

B=Type

1315=1.3/1.55 Split Filter

C=Fiber Length

10=1.0m, 20=2.0m

D=Connector

00=No Connector, FS=FC-SPC, FA=FC-APC, SS=SC-SPC, SA=SC-APC

MU=MU-SPC, MJ=MUJ-SPC, LC=LC-SPC

E=Center Wavelength

(ex) 1310nm Pass --->1310

1510nm Pass --->1550

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