

# Fused WDM, 1310/1550 nm



**Key Features** 

- Low insertion loss
- High power handling
- Wide range of regular parts available "to go"
- Proven reliability

#### **Applications**

- 1310/1550 nm simultaneous operation on a single fiber
- CATV systems
- Fiber to the home/curb/business
- Passive Optical Networks

## Compliance

• Telcordia GR-1221

The fused WDM, 1310/1550 nm enables the multiplexing and demultiplexing of two wavelength regions with high isolation and low insertion loss. These components are manufactured with a highly automated process to achieve consistent quality and reliability.

Regular parts are available with a wide variety of housing and connector options and can therefore be readily specified in a wide variety of applications, enabling rapid design cycles and new project builds. Reliability is assured through qualification to Telcordia GR-1221.

## **Specifications**

Parameter		Grade 1	Grade 2	
Operating wavelength range				
1310 nm band		1290 to 1330 nm		
1550 nm band		1530 to 1570 nm		
Insertion loss	Maximum	0.4 dB	0.6 dB	
Isolation	Minimum	16 dB	15 dB	
Polarization dependent loss	Maximum	0.1 dB	0.15 dB	
Optical return loss	Minimum	50 dB		
Directivity	Minimum	60 dB		
Operating temperature range		-40 to 85 °C		
Storage temperature range		-50 to 85 °C		
Package dimensions				
S package (D x L)		3.0 x 54 mm		
L package (D x L)		3.0 x 70 mm		
H package (L x W x H)		85 x 17 x 7.0 mm		

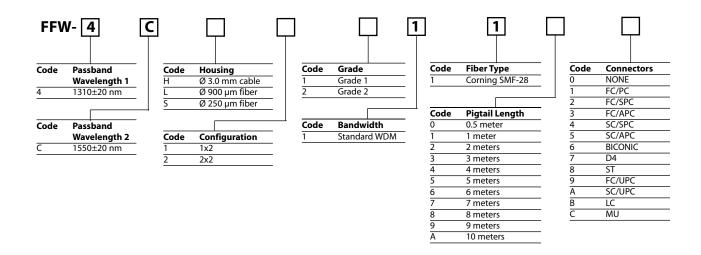


3

# Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-800-498-JDSU (5378) in North America and +800-5378-JDSU worldwide or via e-mail at customer.service@jdsu.com.

#### Sample: FFW-4CS111110



SMF-28 is a registered trademark of Corning Incorporated. LC and ST are registered trademarks of Lucent Technologies. Telcordia is a registered trademark of Telcordia Technologies Incorporated.