

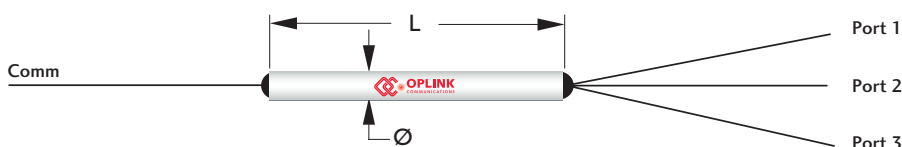
SINGLE WINDOW SINGLE MODE WIDEBAND FIBER COUPLER (1x3)

SWFC 1x3 Series

Product Description

Oplink's single window, single mode wideband fiber couplers are highly stable for multi-port optical signal splitting. They have very good uniformity, low excess loss and very low polarization sensitivity. All devices are tested according to industry standard test procedures and are supplied with all pertinent measurement data.

Oplink can provide customized designs to meet specialized feature applications. Also, Oplink offers modular assemblies that integrate other components to form a full function module or subsystem.



Performance Specification

SWFC53/33 Series (1x3)	Premium	Grade A	Unit
Configuration	1x3		
Operating Wavelength Range	1290~1330 or 1528~1565 or 1570~1610		nm
Insertion Loss ^[1]	< 5.5	< 5.8	dB
Uniformity	< 0.9	< 1.3	dB
Polarization Dependent Loss	< 0.10	< 0.16	dB
Temperature Dependent Loss	< 0.15	< 0.20	dB
Directivity	> 55		dB
Maximum Power Handling	500		mW
Operating Temperature Range	- 10 to + 70		°C
Storage Temperature Range	- 40 to + 85		°C
Package Dimensions ^[2]	P1: 250µm bare fiber P2: 900µm loose tube P3: 3mm cable	(Ø) 3.0 x (L) 60 (Ø) 4.0 x (L) 70 (L) 96.0 x (W) 17.0 x (H) 6.4	mm

Note:

[1] Values are referenced without connector loss.

[2] Couplers with unequal splitting ratio are also available. Please contact Oplink Sales and Marketing Department for more detailed information.

[3] The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

Features

- ◆ Single Fusion Compact Package
- ◆ Ultra Low Polarization Sensitivity
- ◆ Wavelength Independent
- ◆ Highly Stable & Reliable

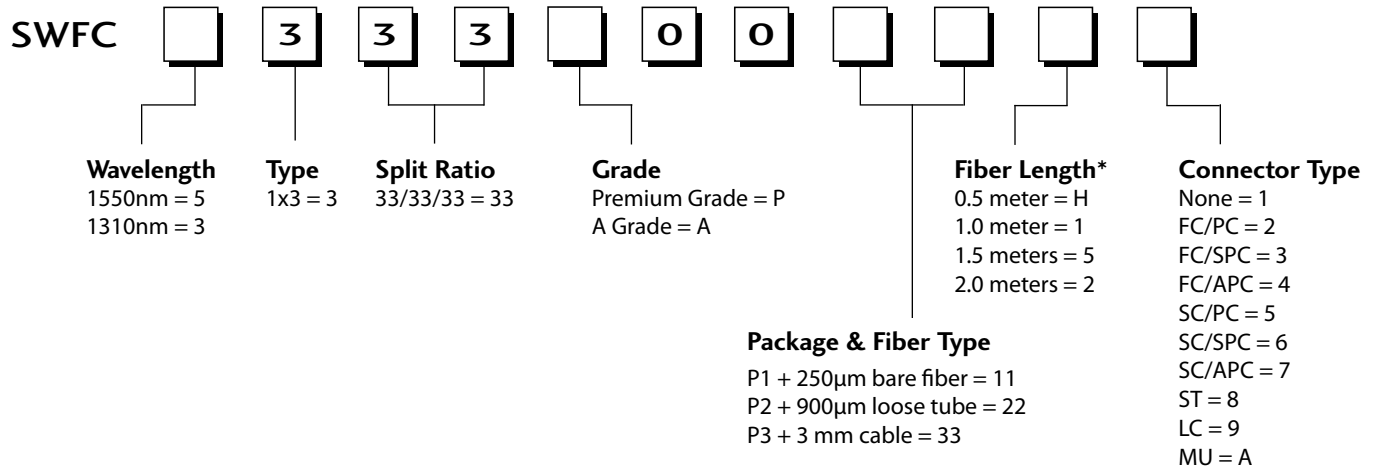
Applications

- ◆ CATV
- ◆ Local Area Networks
- ◆ Subscriber Loops
- ◆ Telecommunications

SWFC 1x3 SERIES

Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.



Notes :

* The tolerance of fiber length is +/-0.1m. 1 meter is standard.
 The lead time for special fiber length will be longer.