Single Window Single Mode Wideband Fiber Coupler (1x3)

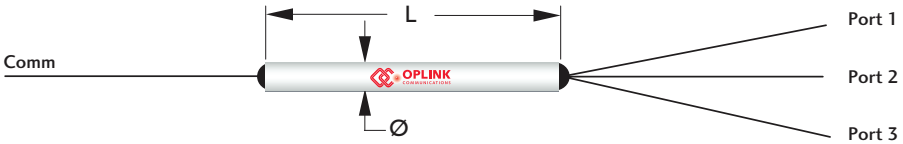
SWFC 1x3 Series

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	1310nm	1290~1330		nm
	C Band	1528~1565		
	L Band	1570~1610		
Insertion Loss [1] [2]		< 5.5	< 5.8	dB
Uniformity		< 0.9	< 1.3	dB
Polarization Dependent Loss		< 0.20	< 0.25	dB
Temperature Dependent Loss		< 0.15	< 0.20	dB
Directivity		> 55		dB
Maximum Power Handling		500		mW
Operating Temperature Range		- 5 to + 70		°C
Storage Temperature Range		- 40 to + 85		°C
Fiber Type		Corning SMF-28e+ or equivalent		
Package Dimensions	P1: 250μm bare fiber P2: 900μm loose tube P3: 3mm cable	(Ø) 3.0 x (L) 60.0 (Ø) 4.0 x (L) 70.0 (L) 96.0 x (W) 17.0 x (H) 6.4		mm

Note:
[1] Values are referenced without connector loss.
[2] Insertion loss over operating wavelength range at ~23°C (excluding PDL and TDL).

Features

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

Applications

- CATV
- Local Area Networks
- Subscriber Loops
- Telecommunications

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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.

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Wavelength
1310nm = 3
C band = 5
L band = 6

Type
1x3 = 3

Split Ratio
33/33/33 = 33

Grade
Premium Grade = P
A Grade = A

Package & Fiber Type Jacket
P1 + 250μm bare fiber = 11
P2 + 900μm loose tube = 22
P3 + 3 mm cable = 33

Fiber Length*
0.5 meter = H
1.0 meter = 1
1.5 meters = 5
2.0 meters = 2

Connector Type
None = 1
FC/PC = 2
FC/SPC = 3
FC/APC = 4
SC/PC = 5
SC/SPC = 6
SC/APC = 7
ST = 8
LC/PC = 9
MU = A
LC/APC = B

Notes :
** The tolerance of fiber length is +/-0.1m. (For connector option only, for without connector, just keep the length as minimum)*
** 1 meter is standard. The lead time for special fiber length will be longer.*

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