Dual Window Single Mode Wideband Fiber Coupler (1x3)

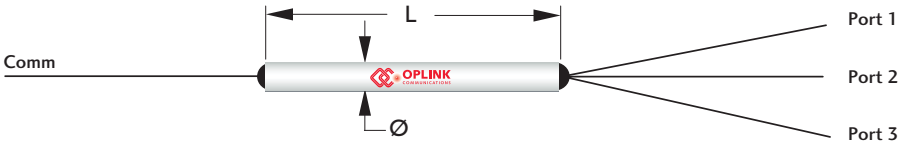
DWFC1x3 Series

Product Description

Oplink's 1310/1550 dual window 1x3 single mode, wideband fiber coupler is a single package, compact-sized device. It offers low insertion loss, good uniformity, very low wavelength dependent loss and low polarization sensitivity. It is an excellent solution for multi-port optical signal splitting applications.

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

DWFC1x3 Series	Premium	Grade A	Unit
Configuration	1x3		
Operating Wavelength Range	1270~1350 & 1510~1590		nm
Insertion Loss [1]	< 5.6	< 6.0	dB
Excess Loss (Typical)	0.15	0.20	dB
Uniformity	< 1.2	< 1.8	dB
Polarization Dependent Loss	< 0.2	< 0.25	dB
Temperature Dependent Loss	< 0.2	< 0.25	dB
Directivity	> 50		dB
Return Loss [1]	> 50		dB
Maximum Power Handling	2000		mW
Operating Temperature Range	- 10 to + 70		°C
Storage Temperature Range	- 40 to + 85		°C
Package Dimensions [2]	P1: 250µm bare fiber (Ø) 3.0 x (L) 54.0 P2: 900µm loose tube (Ø) 3.0 x (L) 65.0 P3: 3mm cable (L) 96.0 x (W) 12.0 x (H) 6.4		mm

Note:
[1] Values are referenced without connector loss.
[2] The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

Features

- Dual Windown Wideband Operation
- Single Fusion Compact Package
- Highly Stable & Reliable
- Multiport Solution

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.

DWFC [0] [3] [0] [0] [ ] [0] [0] [ ] [ ] [ ] [ ]

Wavelength
1310/1550 nm

Type
1x3 = 3

Grade
Premium Grade = P
A Grade = A

Package & Fiber Type
P1 + 250 µm bare fiber = 11
P2 + 900 µm 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 = 9
MU = A

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

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