

# DUAL WINDOW SINGLE MODE WIDEBAND FIBER COUPLER (1x3)

## DWFC 1x3 Series

### Features

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

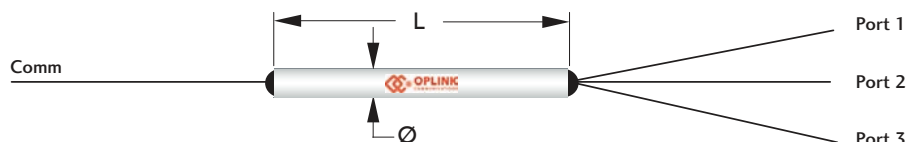
### Applications

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

### Dual Window Single Mode Wideband Fiber Coupler (1x3)

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 Specifications

DWFC Series	Premium	Grade A	Unit
Configuration	1x3		
Operating Wavelength Range	1270–1350 & 1510–1590		nm
Insertion Loss	<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		>50	dB
Maximum Power Handling		2000	mW
Operating Temperature	-10 to +70		°C
Storage Temperature	-40 to +85		°C
Package Dimension	P1: 250µm SMF-28 bare fiber	(Ø) 3.0 x (L) 54	
	P2: 900µm loose tube	(Ø) 3.6 x (L) 65	mm
	P3: 3mm cable	(L) 96 x (W) 12 x (H) 6.4	

Values are referenced without connector loss.

\* The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

### 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.

