

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

## SWFC1x3 Series

### Product Description

2 SOLQN.V VLQJOH ZLQGRZ VLQJOH PRGH ZLGHEHQG ÀEHU FRXSOHUV  
 PXOWL SRUW RSWLFDO VLJQDO VSOLWWLQJ 7KH\ KDYH YHU\ JRRG XQ  
 DQG YHU\ ORZ SRODULJDWLRQ VHQVLWLYLW\ \$OO GHYLFHV DUH WHV  
 VWDQGDUG WHVW SURFHGXUHV DQG DUH VXSSOLHG ZLWK DOO SHUWI  
 2 SOLQN FDQ SURYLGH FXVWRPLJHG GHVLJQV WR PHHW VSHFLDOLJHG  
 \$OVR 2 SOLQN RIIHUV PRGXODU DVVHPEOLHV WKDW LQWHJUDWH RWKH  
 D IXOO IXQFWLRQ PRGXOH RU VXEIVVWHP



### 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 <sup>[2]</sup>		< 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

