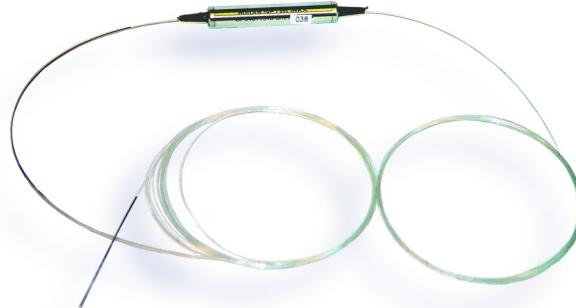


Features

- 3-port filters to combine or separate red and blue (or CWDM and DWDM) bands
- Low insertion loss
- Operating temperature range -40°C to $+85^{\circ}\text{C}$
- Options for standard or high isolation
- Telcordia GR-1209 and GR-1221 qualified, providing excellent environmental and mechanical stability
- Variety of options for module package size, fiber jacket and connector types
- Epoxy-free on optical path

Red/Blue and CWDM/DWDM Combiner/Separator Filters

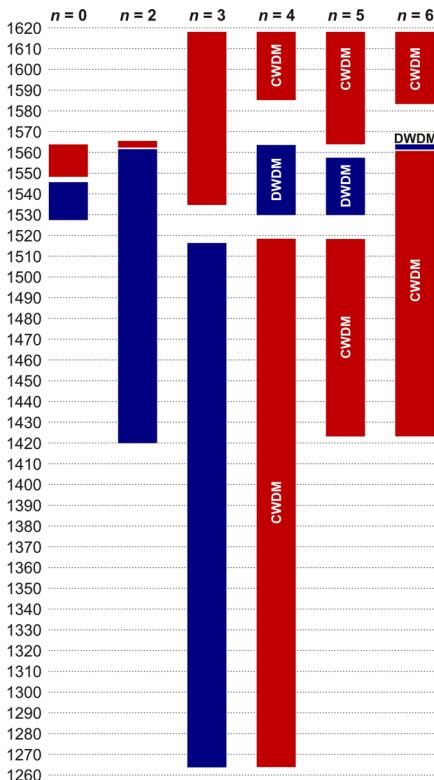


N0 (non-ruggedized) packaging option shown above

Aurora Networks OP95F1S-CF series of combiner/separators filters are 3-port filters that combine (or separate) red and blue (or CWDM and DWDM) bands. The six different available band combinations are shown graphically in the figure at right.

The filters are available in three versions of packaging for outdoor use, two versions ruggedized for easy handling and the second version, though not ruggedized, being smaller and easier to fit in a splice enclosure. All versions are designed for use in an outdoor environment within a temperature range of -40 to $+85^{\circ}\text{C}$.

Combiner/Separator Filter Passbands



For model numbers of the form OP95F1S-CF-*m-n-ab-yz*, the variable *n* defines passband options. For *n*=0, 2, or 3, bands are identified as red or blue. For *n*=4, 5, or 6, bands are identified as CWDM or DWDM.

OP95F1S-CF

Product Specifications

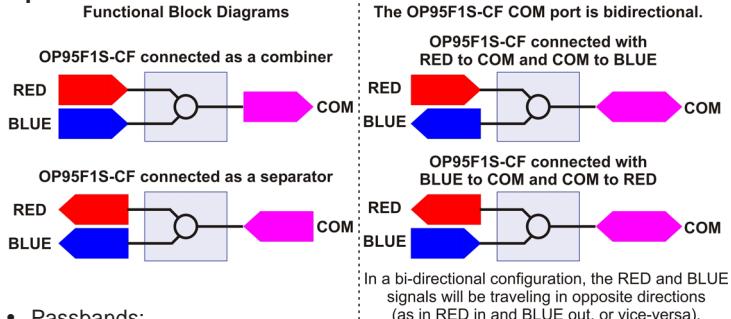
Physical:

- Dimensions: (See *Ordering Information*.)
- Weight, ruggedized packages: 0.2 lbs (0.9 kg)

Environmental:

- Operating temperature range: -40° to $+85^{\circ}\text{C}$ (-40° to $+185^{\circ}\text{F}$)
- Storage temperature range: -40° to $+85^{\circ}\text{C}$ (-40° to $+185^{\circ}\text{F}$)
- Humidity: 5% to 95% non-condensing

Optical:



- Passbands:

(nm, specified for values of n in model numbers of the form OP95F1S-CF-m-n-ab-yz)

n	RED	BLUE
0	1549.0 - 1563.8	1528.0 - 1545.6
2	1562.6 - 1565.0	1420.0 - 1561.0
3	1535.0 - 1618.0	1264.0 - 1517.0
n	CWDM (or RED)	DWDM (or BLUE)
4	1263.5 - 1519.0 and 1585.0 - 1617.5	1530.0 - 1563.3
5	1423.5 - 1519.0 and 1563.5 - 1617.5	1530.3 - 1558.2
6	1423.5 - 1561.0 and 1583.5 - 1617.5	1562.2 - 1564.0

- Ripple within passband: 0.5 dB

Package Options:

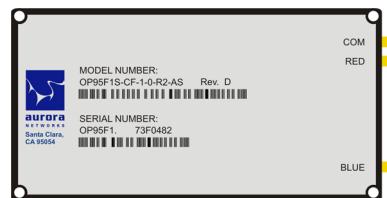
Three examples shown approximately half scale. For non-ruggedized tubes, the fiber optic leads are color-coded.



OP95F1S-CF-1-0-R2-00 in Ruggedized Package (8.5 mm x 14 mm x 98 mm)

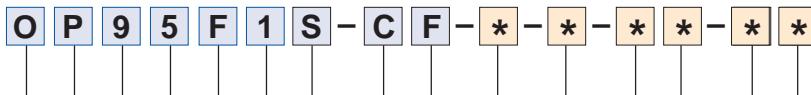


OP95F1S-CF-1-0-N0-00 in Non-ruggedized Tube (34 mm x 5.5 mm)



OP95F1S-CF-1-0-R2-AS in "S-case" (9.2 mm x 51 mm x 89 mm)

Ordering Information



Red/Blue CWDM/DWDM Filter

* = Blue Band Isolation Option (1 = Standard, 2 = High); see Note 1.

* = Passband Option (n = 0, 2, 3, 4, 5, or 6); reference above table for descriptions

*** = Packaging, Fiber and Connector Type (see Note 2):

N0-00 = 250 μm bare fiber in 34 x 5.5 mm Non-ruggedized Tube,

R2-00 = 2 mm fiber in 8.5 x 14 x 98 mm Ruggedized Package

R2-AS = 2 mm fiber with SC/APC Connectors in 9.2 x 51 x 89 mm Ruggedized Package

Notes:

1. The high isolation option is available only for Passband Options 0 or 2.

2. Not all permutations of package type, pigtail and connector types are available. Consult your Aurora representative for available models.



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