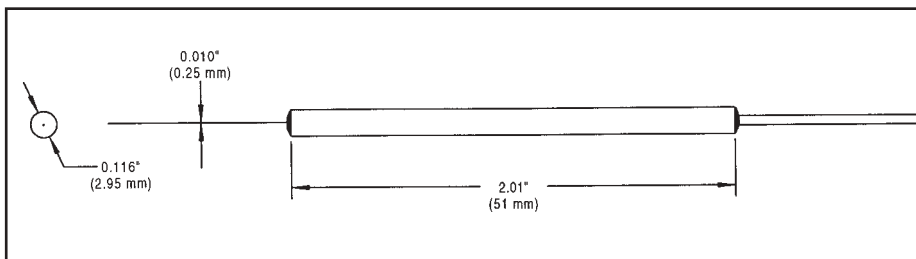


Fiber Optic Singlemode WDMs 1x2 Wavelength Division Multiplexers

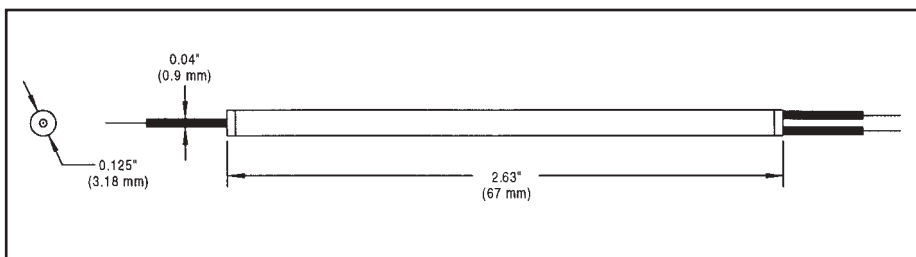
Canstar singlemode WDMs are designed for mixing and separating two optical signals in test equipment, fiber optic transmission equipment and systems. 980/1550 nm WDMs are specifically designed for use in EDFA systems. Optimum performance and operation under adverse environmental conditions are achieved through licensed use of fused biconical taper coupler patents, with proprietary refinements combined with rigorous quality control.

Features and Benefits

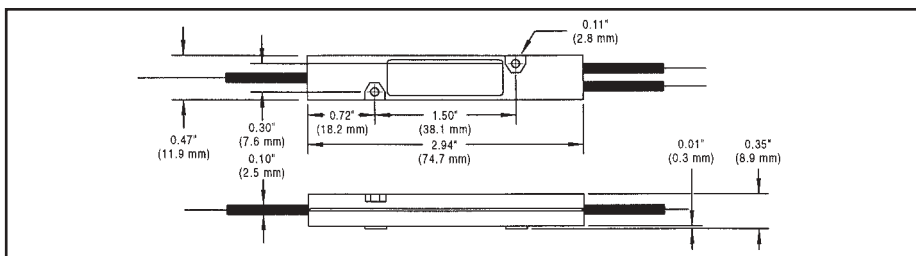
- Low insertion loss.
- High directivity.
- Bidirectional.
- High isolation.
- Extended isolation and narrowband versions available.
- Stable over wide temperature range.
- Range of housing options.
- Optional connectorized leads.
- PC board mountable.



BS - type, 250 μ m coated fiber leads for most compact size.



FL - type, 900 μ m buffer tube leads for added protection.



RP - type, 2.5 mm reinforced jacket for rugged use.

Specifications for Standard 1x2 Wavelength Division Multiplexers

Coupling:	Please refer to the following table.	
Optical Fiber(s):	SMF28™	
Temperature Range:	-40 to +85°C	
Dimensions:	Please refer to drawings on previous page.	
Standard Lead Lengths:	BS-type (250µm coating)	Lead length (nom) = 1m
	FL-type (0.9mm TFE tube)	Lead length (nom) = 55cm
	RP-type (2.5mm Reinforced Jacket)	Lead length (nom) = 55cm

SMF28™ is a registered trademark of Corning Inc.

* Optional lead lengths are available. Consult factory for leadlength options and information

Part Number (see note 1)	Part Descriptor	Wavelength (nm)	Isolation (db)	Maximum Excess Loss (db)	Directivity (db)	Thermal Sensitivity (db)
58060-201-ZZ	WZZ-01x02-098/155-XXA	980/1550 +/- 20	≥ 20 ^{Note 2}	0.3	≥ 50	≤ +/- 0.2
58060-202-ZZ	WZZ-01x02-130/155-XXA	1300/1550 +/- 20	≥ 15	0.5	≥ 60	≤ +/- 0.2
58060-203-ZZ	WZZ-01x02-131/155-XXA	1310/1550 +/- 20	≥ 15	0.5	≥ 60	≤ +/- 0.2
58060-204-ZZ	WZZ-01x02-148/155-XXA	1480/1550 +/- 20	≥ 10	1.0	≥ 50	≤ +/- 0.2

Notes:

1. The -ZZ at the end of the part Number specifies the housing and leads. Use type "BS", "FL", or "RP" designators.
2. Isolation at 980 nm is LP₁₁ filtered input
3. Specifications are the same for type "BS", "FL", and "RP" housings and leads.

Ordering Information for Nonstandard Wavelength Division Multiplexers

□□□-□□x□□-□□□/□□□-□□-□-□.□/□.□-□□-□□

WDM	W
Steel tube / bare fiber leads	BS
Steel tube / TFE tubed leads	FL
Plastic housing / reinforced jacket leads	RP
1 input	01
2 outputs	02
980 nm wavelength	098
1300 nm wavelength	130
1310 nm wavelength	131
1480 nm wavelength	148
1550 nm secondary wavelength	155
Power split N/A	XX
SMF-28™	A
Input lead length	
0.2 m to maximum lead length	0.2
	-
	1.0
Output lead length	
0.2 m to maximum lead length	0.2
	-
	1.0

See page 37 for ordering information on optional connectors.