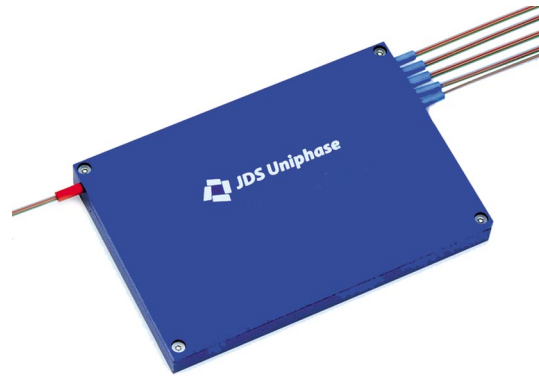


Product Bulletin



The 1xN coupler is a compact, low-loss, fused component that is bidirectional and provides a means of splitting or combining optical signals. It is designed for use in telecommunications equipment, passive telephony or CATV networks, test equipment, optical signal processing, and fiber sensors. The coupler uses advanced fused-fiber technology to yield ultra-low excess loss and low polarization dependent loss (PDL) in a compact package. The coupler is available at 1300 and/or 1550 nm or at 1585 nm wavelengths. The couplers are also available for operation at 1310 or 1310/1550 nm wavelengths, with other port configurations such as 2x8 or 4x4, and with asymmetrical split ratios, e.g. 65/15/15/5.

Fused 1xN Port Couplers

Key Features

- Low excess loss
- Single-wavelength, wavelength-flattened, and wideband versions

Applications

- Passive optical networks

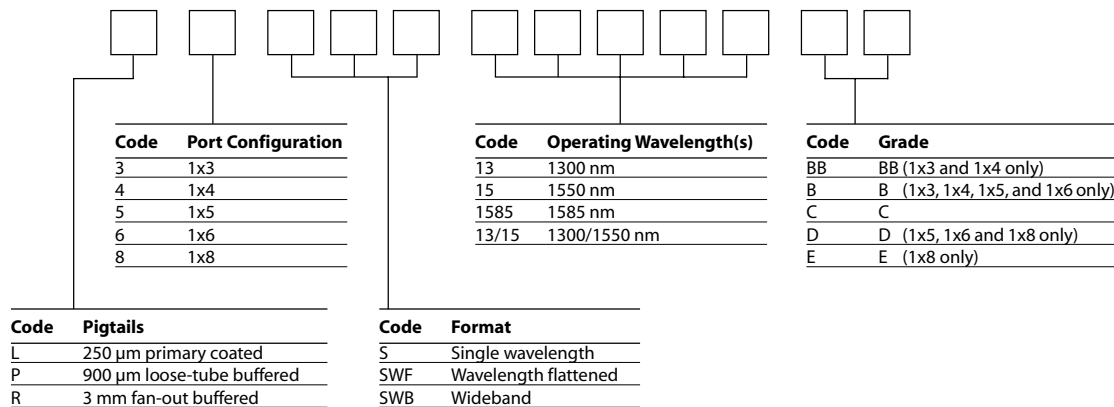
Specifications

Parameter	Fused 1 x N Port Couplers																					
Operating wavelength	Single wavelength (1300, 1550, or 1585nm) or Wavelength flattened (1300 ±20, 1550 ±20, or 1585 nm ±20)					Wideband (1300 ±20 and 1550 nm ±20)																
Port configuration	1x3		1x4		1x5		1x6		1x8		1x3		1x4		1x5		1x6		1x8			
Grade	BB	B	BB	B	B	C	B	C	C	D	B	C	B	C	C	D	C	D	D	E		
Maximum insertion loss	5.4	5.8	6.7	7.3	7.9	8.5	8.8	9.5	10.1	11.1	dB	5.8	6.0	7.3	7.7	8.5	8.8	9.5	9.9	11.1	11.6	dB
Minimum insertion loss	4.4	4.3	5.6	5.3	6.5	6.2	7.2	6.9	8.4	7.9	dB	4.3	4.1	5.3	5.0	6.2	5.9	6.9	6.6	7.9	7.5	dB
Directivity	50 dB																					
Fiber	Corning SMF-28																					
Dimensions	Fiber organizer 150 x 95 x 10 mm																					
Pigtail length	>1000 mm																					

Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please print the corresponding codes in the available boxes to form your part number. For more information on this or other products and their availability, please contact your JDS Uniphase account manager, or call 1-877-550-JDSU toll free in North America, or visit www.jdsuniphase.com.

Sample: P4S13B



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