

## ***Product Bulletin***



### **Shortwave Fused Couplers**

The shortwave fused coupler is a compact, low-loss, fused component (1x2, 2x2, 1x3, or 1x4) that is bi-directional and provides a means of splitting or combining optical signals. It is designed for use in telecommunications systems, test equipment, fiberoptics research, and fiber sensors. The coupler uses advanced fused-fiber technology and provides optimum performance at any specified wavelength in the 633 to 850 nm range.

#### **Key Features**

- 1x2 to 1x4 ports
- Custom wavelengths available

#### **Applications**

- Fiberoptic sensors
- Laboratory research

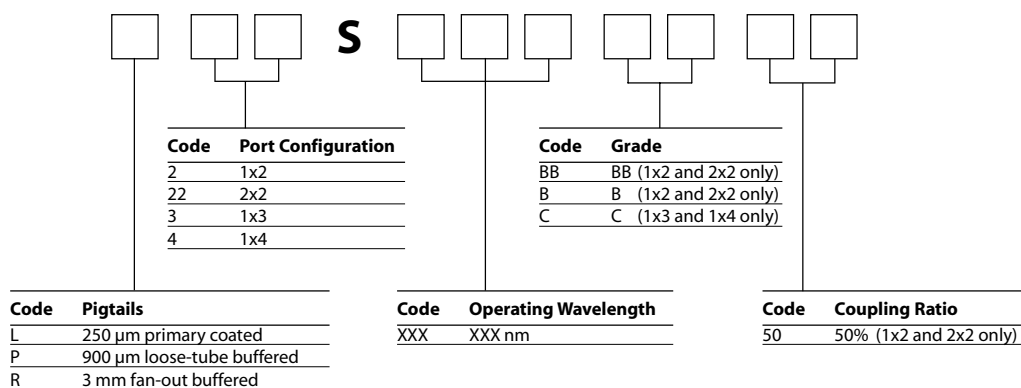
## Specifications

Parameter	Shortwave Fused Couplers			
Operating wavelength	Any specified wavelength in the range 633 to 850 nm			
Port configuration	1x2 or 2x2		1x3	1x4
Grade	BB	B	C	C
Typical excess loss	0.2 dB	0.3 dB	0.5 dB	0.5 dB
Maximum insertion loss	3.8 dB	4.2 dB	6 dB	7.7 dB
Directivity	50 dB			
Fiber	Lucent Specialty Fiber SMC-AO630B, SMC-AO780B, or SMC-AO820B			
Dimensions	L-type Ø 3.0 x 50 mm		Fiber organiser 150 x 95 x 10 mm	
	P-type Ø 5.0 x 75 mm			
	R-type 80 x 10 x 8 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](http://www.jdsuniphase.com).

**Sample: P22S780B50**



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