

Fused Coupler

> WDM 1310 / 1550 nm, single mode

Features

- Compact size
- Low Insertion loss
- Insensitive to operation wavelength
- Bi-directional
- Environmentally stable and reliable



Applications

- Telecommunications
- CATV
- Subscriber loop
- Local Area Networks (LAN)
- Optical fiber amplifiers



Specifications

Parameter	980 / 1550		1480 / 1550		1550 / 1625	
Grade	A	B	A	B	A	B
Max. Insertion Loss (dB)	0.4	0.6	0.6	1.0	0.6	1.0
Min. Isolation (dB)	20	18	12	10	12	10
Bandwidth (nm)	±10		±5		±10	
Polarization Stability (dB)	0.25		0.15		0.15	

Parameter	1310 / 1550			
Grade	A	B	2 Stage	3 Stage
Max. Insertion Loss (dB)	0.3	0.5	0.7	1.1
Min. Isolation (dB)	16	12	30	40
Polarization Stability (dB)	0.1	0.2	0.15	0.15
Bandwidth (nm)	±20			
Directivity (dB)	>55			
Operation Temp. (°C)	-40 to +70			
Temp. Coefficient (dB/°C)	0.002			
Storage Temp. (°C)	-50 to +85			
Dimensions (mm)	Bare Fiber : 3.0(ψ) x 54(L) Loose Tube : 3.5(ψ) x 65(L) PVC : 95(L) x 12(W) x 10(H) 2 & 3 stage : 100(L) x 80(W) x 10(H)			

** The specifications listed above do not include the effect of connector loss.

** Connector Type : SC, FC, ST, SC/APC, FC/APC, LC, MU are all available.

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Ordering Information

Indicate your requirements by selecting one option from each configuration table. Please write 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 Cube Optics AG at +49-6131-69851-0 or via e.mail at sales@cubeoptics.com, or visit our website at www.cubeoptics.com.

Ordering example: WD-1-L-2-C-XX-A-1-00

WD	-	1	-		-	2	-		-	XX	-		-		-		
		Ports				Fiber type				Coupling Ratio				Fiber Length			
		1 = 1x2				2 = Corning SMF-28 (1310, 1480, 1550)				XX = None				1 = 1M 2 = 2M : : 9 = 9M A = 0.5M			
		Package				Wavelength				Grade				Connector			
		C = Coated Fiber				B = 980/1550				A = A grade				IN/OUT			
		L = Loose Tube				C = 1310/1550				B = B grade				0 = None			
		P = PVC/ABS				D = 1480/1550				2 = 2 stage				1 = SC			
						F = 1550/1625				3 = 3 stage				2 = ST			
														3 = FC			
														5 = MU			
														6 = FC/APC			
														7 = SC/APC			
														8 = LC			
														9 = MTRJ			
														E = E2000			
														A = E2000/APC			

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