



Dual Window Single Mode Wideband Fiber Coupler

DWFC Series, 1x2, 2x2

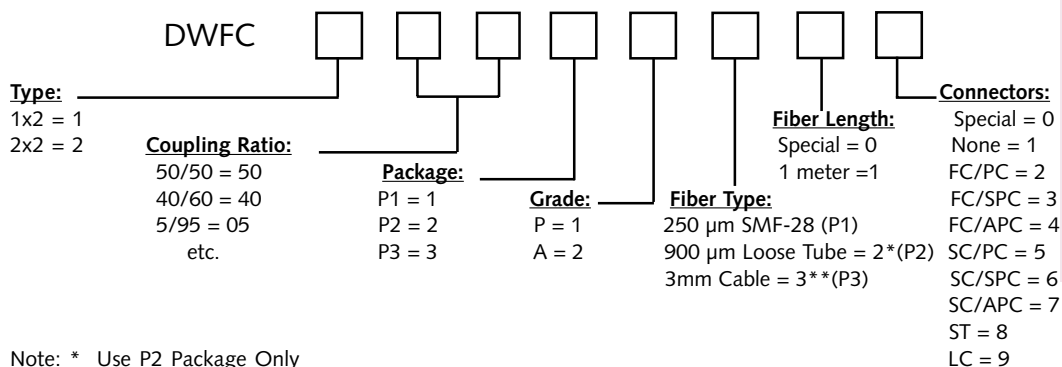


Performance Specifications

DWFC Series	Premium	Grade A	
Coupling Ratio	1/99 to 50/50		
Operating Wavelength (nm)	1310±40 and 1550±40		
Maximum Power Handling (mW)	300		
Maximum Tensile Load (N)	5		
Insertion Loss (dB)	Split Ratio: 50/50	≤ 3.6	≤ 3.9
	Split Ratio: 40/60	≤ 4.7/2.7	≤ 5.0/2.9
	Split Ratio: 30/70	≤ 6.0/1.9	≤ 6.4/2.1
	Split Ratio: 20/80	≤ 7.9/1.2	≤ 8.4/1.4
	Split Ratio: 10/90	≤ 11.3/0.6	≤ 12.7/0.8
	Split Ratio: 5/95	≤ 15.2/0.4	≤ 18.0/0.5
Uniformity (dB)	Split Ratio: 1/99	≤ 23.5/0.3	≤ 24.0/0.6
		≤ 0.7	≤ 1.2
Polarization Dependent Loss (dB)	≤ 0.1	≤ 0.13	
Temperature Sensitivity (dB/°C)	≤ 0.002	≤ 0.002	
Directivity (dB)	≥ 55		
Operating Temperature (°C)	-40 to +70		
Storage Temperature (°C)	-40 to +85		
Package Dimension (mm)	P1: 250 μm SMF-28 fiber (φ) 3.0 x (L) 54		
	P2: 900 μm loose tube (φ) 3.0 x (L) 60		
	P3: 3 mm cable (L) 96 x (W) 12 x (H) 6.4		

Values are referenced without connector loss.

Ordering Information



Note: * Use P2 Package Only
** Use P3 Package Only

Features

- Dual Window Wideband Operation
- Ultra Low Polarization Sensitivity
- High Directivity
- Highly Stable and Reliable

Applications

- Telecommunications
- CATV
- Network Monitoring
- Local Area Network