

Dual Window Single Mode Fused Coupler (DWFC)

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|---|
| Features: |
| Low insertion loss Low PDL High stability and reliability |
| Application: |
| Fiber Communication/Access Network Fiber Sensor Fiber Laser |

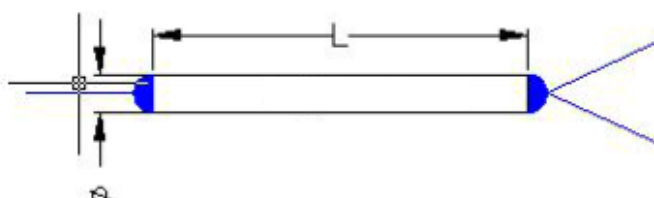
Specifications:

| Parameter | Grade P | Grade A | |
|----------------------------|------------------------------|-------------------|-------------------|
| Operating wavelength (nm) | 1310+/-40&1550+/-40 or Other | | |
| Typical excess loss (dB) | 0.07 | 0.10 | |
| Insertion loss (dB) | 50/50 | ≤3.6 | ≤3.8 |
| | 40/60 | ≤4.7/2.7 | ≤4.9/2.9 |
| | 30/70 | ≤6.0/1.9 | ≤6.3/2.1 |
| | 20/80 | ≤7.5/1.15 | ≤8.0/1.3 |
| | 15/85 | ≤9.5/1.0 | ≤10.0/1.2 |
| | 10/90 | 9.2~11.2/≤0.75 | 8.80~11.40 /≤0.8 |
| | 5/95 | 12.05~14.15/≤0.4 | 11.60~14.60 /≤0.5 |
| | 3/97 | 13.90~16.70/≤0.35 | 13.4~17.2/≤0.45 |
| | 2/98 | 15.75~18.45/≤0.3 | 15.15~19.00/≤0.4 |
| | 1/99 | 18.6~21.6 /≤0.25 | 17.95~22.25/≤0.35 |
| PDL (dB) | ≤0.15 | ≤0.20 | |
| Directivity (dB) | ≥55 | | |
| Return Loss(dB) | ≥55 | | |
| Operating temperature (°C) | -40 ~ +85 | | |

Package Information

| | | | |
|----------------------|-----------------------|-------------------|--------------------------|
| Configuration | 1x2 or 2x2 | | |
| Fiber length | 1m, others on request | | |
| Fiber Type | SMF-28e or on request | | |
| Pigtail type | 250μm bare fiber | 900μm loose tube | 900μm/2mm/3mm loose tube |
| Dimensions(φ×L)(mm) | φ3.0×L40 or φ3.0×L54 | φ3.0×L54 φ4.0×L65 | L90×W20×H9.5) |

*** Other package dimensions can be made on customer request.



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Ordering Information

| Product | Wavelength | Port | CR | Grade | Package | Fiber | 0 | Pigtail Type | Length | Connector |
|---------|--------------------------|----------------|---|--------------------|--|---|---|--|--|---|
| DWFC | 35=1310/1550 SS=Other | 1=1x2 2=2x2 | 1=1/99 2=2/98 3=3/97 5=5/95 A=10/90 B=20/80 C=30/70 D=40/60 E=50/50 F=15/85 G=25/75 H=66/37 I=0.1/99.9 S=Other | P= P A= A | 1=φ3.0×L54 2=φ3.0×L40 3=φ3.0×L60 4=φ3.0×L35 5=φ2.4×L30 6=φ4.0×L65 7=φ2.4×L25 A=90x20x9.5 S=Other | 0=S MF-2 8e 7= RC8 0 SM1 550 | | 0=250um bare fiber 1=900um loose tube 4=RC80um Bare fiber. | H=0.5m 8=0.8m 1=1.0m 5=1.5m 2=2.0m 3=3.0m | 0=None 1=FC/UPC 2=FC/APC 3=SC/APC 4=SC/UPC 5=ST/PC 6=LC/PC 7=LC/APC 8=E2000 APC S=Others |