

Dual Window Single Mode Fused Coupler (DWFC)

Features:

Low insertion loss
Low PDL
High stability and reliability

Application:

Fiber Communication/Access Network
Fiber Sensor
Fiber Laser

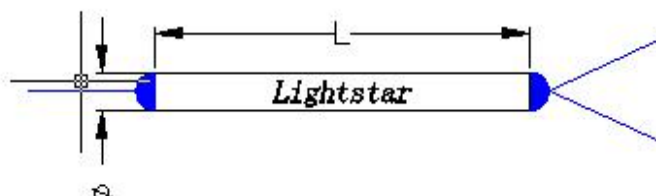
Specifications:

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.





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