

TECHNICAL DATASHEET

Dual Window Single Mode Fiber Coupler DWFC

Product family	Couplers & Polarization
Key selection	Single Mode

Technical Specifications

Parameter	-	Unit	Specification	-
Grade	-	-	Grade P	GradeA
Operating Wavelength	-	nm	1310±40&1550±40orOther	-
Typical Excess Loss	-	dB	0.07	0.10
Coupling Ratio	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 to 11.2/≤0.75	8.80 to 11.40/≤0.8
-	5/95	□	12.05 to 14.15/≤0.4	11.60 to 14.60/≤0.5
-	3/97	□	13.90 to 16.70/≤0.35	13.4 to 17.2/≤0.45
-	2/98	□	15.75 to 18.45/≤0.3	15.15 to 19.00/≤0.4
-	1/99	□	18.6 to 21.6/≤0.25	17.95 to 22.25/≤0.35
Polarization Dependent Loss	-	dB	≤0.15	≤0.20
Directivity	-	dB	≥55	-
Return Loss	-	dB	≥55	-
Operating Temperature	-	°C	-40 to +85	-

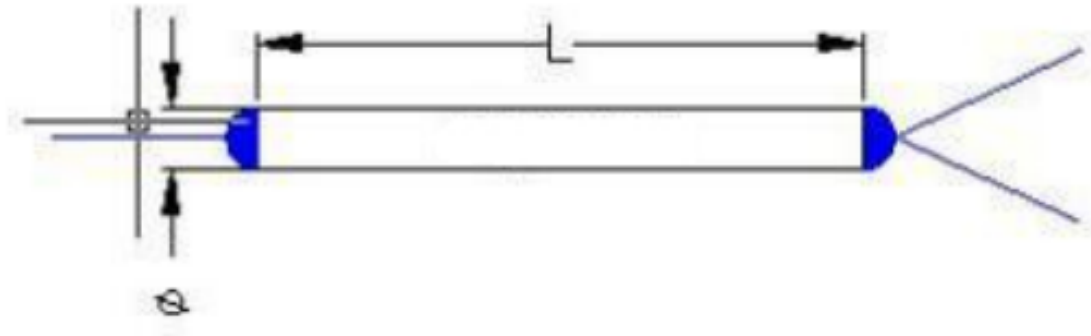
Configuration Notes

Available wavelength, optical power, fiber, connector, pigtail and package options depend on the selected product configuration. Please include the target application and quantity with your RFQ. Final ordering details are confirmed in the quotation.

www.kernsoptic.com | jenny@kernsoptic.com

Package Dimensions

Dual Window Single Mode Fiber Coupler DWFC



Dimensions are shown in millimetres unless otherwise indicated. Final package, pigtail and connector configuration should be confirmed in the quotation.