

Fused 980/1550 nm Fiber WDM Coupler

Model #: SWDM

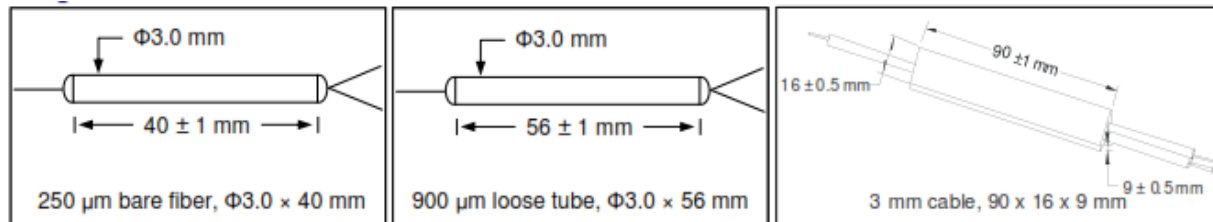
Description: Fused 980/1550 nm fiber WDM coupler

Application: Fiber amplifier, fiber laser

Specifications:

Parameter	Unit	Specifications
Central Wavelength	nm	980/1550
Operating Wavelength	nm	$\lambda_c \pm 15$
Min. Isolation	dB	20
Max. Insertion Loss	dB	0.15
Max. Polarization Dependent Loss	dB	0.1
Thermal Stability	dB/°C	≤ 0.002 over -5 to 70°C
Min. Return Loss	dB	60
Min. Directivity	dB	60
Max. Optical Power (CW)	mW	300
Configuration		1 x 2 or 2 x 2
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to + 85
Dimension	mm	250 μ m bare fiber: 3.0 (D) x 40 (L) 900 μ m loose tube: 3.0 (D) x 56 (L) 3.0 mm cable: 16 (W) x 9 (H) x 90 (L)
Fiber Type (Common and Signal Port)		SMF-28 fiber

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL.



Ordering Information:

SWDM-A-BBBB-C-D-E-F

A: Configuration	BBBB: wavelength	C: connector type	D: fiber jacket	E: fiber length	F: Pump Fiber Type
1 – 1 x 2	9855 – 980 / 1550	1 - FC/UPC	B - 250 μ m Panda fiber	1 – 1.0 m	H – HI 1060
2 – 2 x 2		2 - FC/APC	L - 900 μ m loss tube	X - other	O – OFS 980
		3 - SC/UPC	T - 900 μ m tight buffer		
		4 - SC/APC			
		N - none			
		X - other			