

Fused 1310/1550 or 1480/1550 Fiber WDM Coupler

Model #: SWDM

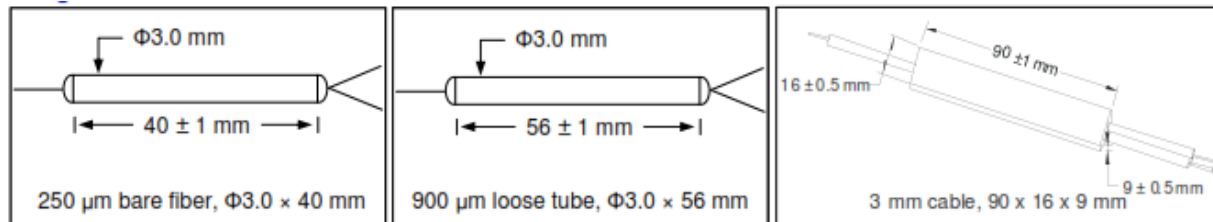
Description: Fused 1310/1550 or 1480/1550 nm fiber WDM coupler

Application: Fiber amplifier, fiber laser

Specifications:

Parameter	Unit	Specifications	
Central Wavelength	nm	1310/1550	1480/1550
Operating Wavelength	nm	$\lambda_c \pm 15$	
Min. Isolation	dB	17	13
Max. Insertion Loss	dB	0.20	0.30
Max. Polarization Dependent Loss	dB	0.1	0.2
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		SMF-28 fiber	

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



Ordering Information:

Single Stage: SWDM-A-BBBB-C-D-E

A: Configuration	BBBB: wavelength	C: connector type	D: fiber jacket	E: fiber length
1 – 1 x 2	3155 – 1310 / 1550	1 - FC/UPC	B - 250 μ m Panda fiber	1 – 1.0 m
2 – 2 x 2	4855 – 1480 / 1550	2 - FC/APC	L - 900 μ m loss tube	X - other
		3 - SC/UPC	C – 3 mm cable	
		4 - SC/APC		
		N - none		
		X - other		