

2250/1300 nm Fused Fiber WDM Coupler

Model #: SWDM

Description: Fused 1300 nm and 2000 nm fiber WDM coupler

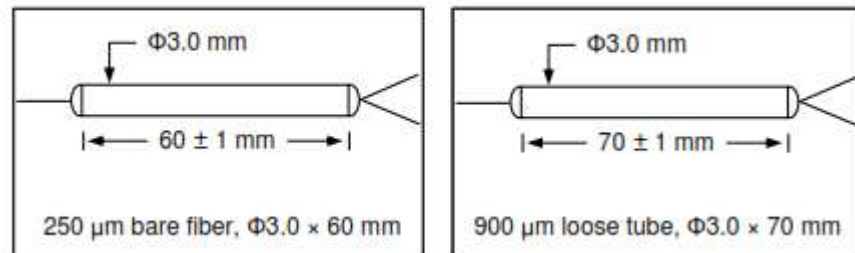
Application: Fiber amplifier, fiber laser

Specifications:

Parameter	Unit	Specifications
Longer Operating Wavelength	nm	2250 ± 5
Min. Isolation	dB	13
Max. Insertion Loss		1.0
Fiber Insertion Loss from Common to 2250nm port	dB/m	1.0
Max. Polarization Dependent Loss	dB	0.15
Shorter Operating Wavelength	nm	1300± 5
Min. Isolation	dB	17
Max. Insertion Loss	dB	0.6
Thermal Stability	dB/°C	≤ 0.002 over -5 to 70°C
Min. Return Loss	dB	55
Min. Directivity	dB	55
Max. Optical Power (CW))	mW	500
Configuration		1 x 2
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to + 85
Dimension	mm	250 μm bare fiber: 3.0 (D) x 60 (L) 900 μm loose tube: 3.0 (D) x 70 (L)
Fiber Type		SMF-28 fiber

Note: each connector may contribute extra 0.5 dB IL, 5 dB lower RL.

Package Dimensions



Ordering Information:

Single Stage: SWDM-A-BBBBBBBB-C-D-E-F

A: Configuration	BBBB: wavelength	C: connector type	D: fiber jacket	E: fiber length	Fiber Type
1 – 1 x 2	13002250 – 1300 & 2250	1 - FC/UPC	B - 250μm SMF-28 fiber	1 – 1.0 m	6 – Corning SMF-28
2 – 2 x 2		2 - FC/APC	L - 900 μm loss tube	X - other	
		3 - SC/UPC			
		4 - SC/APC			
		N - none			
		X - other			

