



横琴东辉科技有限公司
Hengqin Firay Sci-Tech CO.,LTD

Singlemode Standard Coupler (SMC Series)

Features

Low PDL
Low Insertion Loss
Low Excess Loss
High Directivity

Applications

Communication Systems
Test Instrumentations
Fiber Sensors
Research

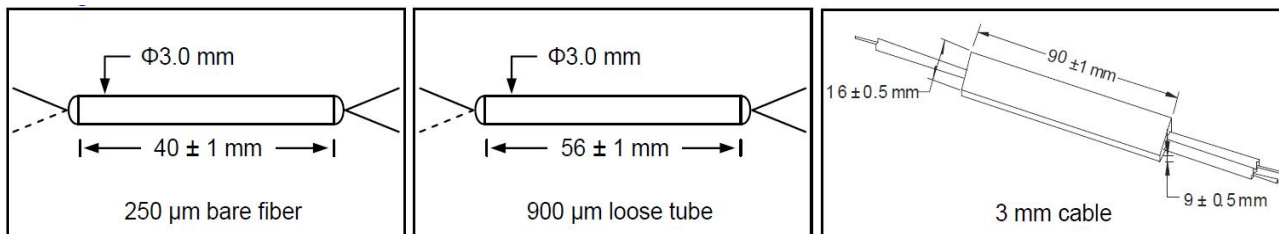
Specifications

Parameter	Unit	Value						
Center Wavelength	nm	1310 or 1550 or Specify						
Operating Wavelength Range	nm	±20						
Coupling Ratio	%	01/99	02/98	03/97	05/95	10/90	15/85	20/80
Max. Insertion Loss	dB	21.4/0.2	18.5/0.25	17.4/0.3	14.5/0.4	10.8/0.65	8.8/0.95	7.5/1.2
Coupling Ratio	%	25/75	30/70	35/65	40/60	45/55	50/50	
Max. Insertion Loss	dB	6.5/1.55	5.6/1.8	5/2.25	4.4/2.5	3.85/2.98	3.4	
Max.PDL(Tap/Through Port)	dB	0.1						
Max.Excess Loss	dB	0.1						
Thermal Stability	dB/°C	≤0.002 over -5°C to +70°C						
Min. Return loss	dB	50						
Directivity 1×2	dB	55						
2×2	dB	60						
Max. Optical Power (CW)	mW	300						
Fiber Type		SMF-28 fiber						
Operating Temperature	°C	-5 to +70						
Storage Temperature	°C	-40 to +85						

*Above specifications are for devices without connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

Package Dimensions



Ordering information

SMC-①-②②-③③-④-⑤-⑥

①: Configuration	②②: Wavelength	③③: Coupling Ratio	④: Connector Type
1 - 1×2	31 - 1310nm	01 - 01/99 15 - 15/85 40 - 40/60	1 - FC/UPC
2 - 2×2	55 - 1550nm	02 - 02/98 20 - 20/80 45 - 45/55	2 - FC/APC
	SS - Specify	03 - 03/97 25 - 25/75 50 - 50/50	3 - SC/UPC
		05 - 05/95 30 - 30/70	4 - SC/APC
		10 - 10/90 35 - 35/65	N - None
⑤: Fiber Jacket	⑥: Fiber Length		S - Specify
B - 250um Bare Fiber	1 - 1 m		
L - 900um Loose Tube	S - Specify		
3 - 3 mm Cable			
S - Specify			