

Single Mode Broadband Coupler

Features

Wide Bandwidth
 Low Excess Loss
 Excellent Performance
 High Stability and Reliability

Applications

Telecommunications
 CATV Network
 Access Network
 Optical Amplifier

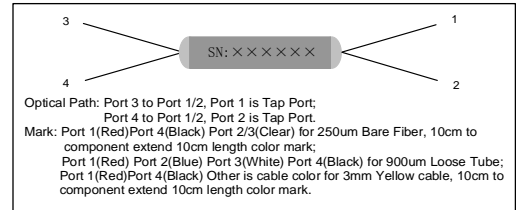
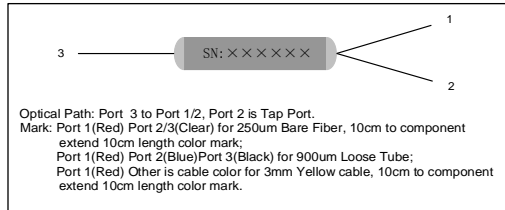
Specifications

Parameters	Unit	Values									
Center Wavelength	nm	1310 or 1550									
Operating Wavelength Range	nm	±40									
Coupling Ratio	%	1/99	2/98	3/97	5/95	10/90	20/80	30/70	40/60	50/50	
Max. Insertion Loss (Tap/Through Port)	dB	21.5/0.2	18.5/0.25	16.5/0.3	14.6/0.4	10.8/0.65	7.5/1.3	5.6/1.9	4.4/2.6	3.4	
Max. PDL (Tap/Through Port)	dB	0.10/0.05	0.10/0.05	0.10/0.05	0.10/0.05	0.10/0.05	0.10/0.08	0.10/0.08	0.10/0.08	0.08/0.08	
Min. Return Loss	dB	50									
Min. Directivity	dB	50									
Max. Optical Power (CW)	mW	500									
Max. Tensile Load	N	5									
Thermal Stability	dB/°C	≤ 0.002 over -5 °C to +70 °C									
Operating Temperature	°C	-5 to + 70									
Storage Temperature	°C	-40 to + 85									
Fiber Type	-	SMF-28e Fiber									
Package Dimensions	mm	250um Bare Fiber					Ø3.0X40				
		900um Loose Tube					Ø3.0X56				
		3mm Loose Cable					90X16X9				

*Above specifications are for device without connector.

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

Package Dimensions



Ordering Information

ASBC-①①-②-③⑤-④④④④-⑤⑤⑤⑤-⑥

①①: Wavelength
 31 - 1310nm
 55 - 1550nm
 SS - Specify

②: Port
 1 - 1X2
 2 - 2X2

③③: Coupling Ratio
 01 - 1/99
 02 - 2/98
 03 - 3/97
 05 - 5/95
 10 - 10/90
 20 - 20/80
 30 - 30/70
 40 - 40/60
 50 - 50/50
 SS - Specify

④④④④: Connector Type on all Ports
 1 - FC/UPC
 2 - FC/APC
 3 - SC/UPC
 4 - SC/APC
 5 - LC/UPC
 6 - LC/APC
 9 - MU/UPC
 N - None
 S - Specify

⑤⑤⑤⑤: Fiber Jacket on all Ports
 B - 250um Bare Fiber
 L - 900um Loose Tube
 C - 3mm Loose Cable
 S - Specify
 ⑥: Fiber Length
 1 - 1.0m
 S - Specify