



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

Parameter	Unit	Values
Center Wavelength	nm	1310 or 1550
Operating Wavelength Range	nm	±40
Coupling Ratio	%	01/99 05/95 10/90 50/50
Max. Insertion Loss	dB	21.5/0.2 14.6/0.4 10.8/0.6 3.4
Max. PDL (Tap/Through Port)	dB	0.10
Max. Excess Loss	dB	0.10
Thermal Stability	dB/	0.002 over -5 °C to +70 °C
Min. Directivity	1X2	55
	2X2	65
Package Dimensions		250um Bare Fiber and dia. 3.0mmX48mm
		900um Loose Tube and dia. 3.5mmX66mm
		3mm Loose Cable 90mmX16mmX9mm
Max. Optical Power (CW)	mW	500
Max. Tensile Load	N	5
Fiber Type		SMF-28e Fiber
Operating Temperature		-5 to +70
Storage Temperature		-40 to +85

*Above specifications are for device without connector.

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

Ordering information

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: Wavelength	: Connector Type on Port 1 & 2	: Fiber Length
31 - 1310nm	1 - FC/UPC	1 - 1.0m
55 - 1550nm	2 - FC/APC	S - Specify
SS - Specify	3 - SC/UPC	
	4 - SC/APC	
: Port	N - None	
1 - 1X2	S - Specify	
2 - 2X2		
	: Fiber Jacket on Port 1 & 2	
: Coupling Ratio	B - 250um Bare Fiber	
01 - 1/99	L - 900um Loose Tube	
05 - 5/95	C - 3mm Loose Cable	
10 - 10/90	S - Specify	
50 - 50/50		
SS - Specify		