



Single-mode Single and window Fiber Coupler

Features <ul style="list-style-type: none"> ● Low Excess Loss ● Various Coupling Ratio ● Compact Size 	Applications <ul style="list-style-type: none"> ● Long-haul Telecommunications ● CATV Systems & Fiberoptic Sensors ● Local Area Network
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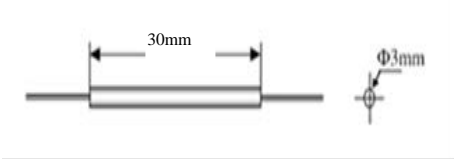


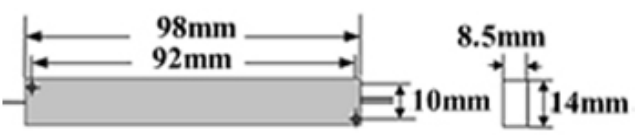
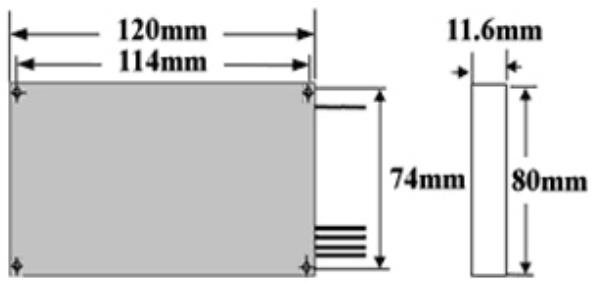
Performance Specifications:

Parameter	Unit	Spec
Port Configuration	/	1x2 or 2x2
Directivity	dB	≥ 55dB
Operating Temperature	°C	-20 to +75°C
Storage Temperature	°C	-40 to +85°C
Fiber Type	/	Corning singlemode SMF-28 Ultra
Fiber Pigtail Length	m	1m or custom length
Operating Wavelength	nm	1310nm or 1550nm or request
Bandwidth	nm	±15nm(Standard) ,±40nm(Wide Band)
Coupling Ratio	%	Coupling Ratio/Insertion Loss Conversion Chart
Insertion Loss	dB	
Excess Loss (Typ.)	dB	≤ 0.15dB
Polarization Sensitivity	dB	≤ 0.15dB
Package Dimensions	mm	Package A, B, C, D,E

Coupling Ratio/Insertion Loss Conversion Chart:

Parameter	Unit	Spec							
		50/50	40/60	30/70	20/80	10/90	5/95	2/98	1/99
Coupling Ratio	%	50/50	40/60	30/70	20/80	10/90	5/95	2/98	1/99
Insertion Loss	dB	3.4/3.4	4.7/2.7	5.6/1.8	7.6/1.2	10.8/0.6	13.8/0.35	18/0.25	21/0.2

Note: All values referenced are without connectors. With connector, IL increase 0.3dB, RL decrease 5dB.

Package Dimensions:	
Package A: 3mm x 30mm stainless steel tube	
Package B: 3mm x 54mm stainless steel tube	
Package C: 3mm x 60mm stainless steel tube	
Package D: 8.5mm x 14mm x 98mm case	
Package E: 11.6mm x 80mm x 120mm	
Pigtail Style:	
Package A,B	250um bare fiber
Package C	250um bare fiber or 900um loose tube
Package D,E	3mm cable or 900um loose tube



Ordering Information:

S-	Type	Grade	Wavelength	Coupling Ratio or Attenuation (dB)	Port	Package	Pigtail Style	Fiber Length	In/Out Connector
	□	□	□□		□□□□	□	□	□	□□
	↓	P=P Grade	13 = 1310nm 15 = 1550nm	50 = 50/50 40 = 40/60 30 = 30/70 20 = 20/80 10 = 10/90 05 = 5/95 02 = 2/98 01 = 1/99	0102=1x2 0202=2x2	↓	1=Bare Fiber 2=900um tube 3=3mm Cable	1=1m 2=2m	0=None 1=FC/APC 2=FC/PC 3=SC/APC 4=SC/PC 5=ST 6=LC/PC 7=LC/APC
	S= Singlemode Standard Coupler W= Singlemode Wideband Couple					A= Package A B = Package B C = Package C D = Package D E= Package E			

For Example: S-W-P-13-50-0102-B-2-2-11