


## Mini Size Fused Wide Band Coupler

<b>Features</b> Low excess loss & low IL Low PDL High stability and reliability <b>Application</b> Optical communication systems CATV FTTH/PON	
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**Specifications:**

Parameter	Grade P	Grade A	
Operating wavelength (nm)	1310+/-40 or 1550+/-40		
Typical excess loss (dB)	0.07	0.10	
Insertion loss (dB)	50/50	≤3.6	≤3.8
	40/60	≤4.6/2.8	≤4.9/3.0
	30/70	≤5.9/2.1	≤6.3/2.2
	20/80	≤7.8/1.3	≤8.2/1.4
	10/90	≤10.9/0.75	≤11.2/0.85
	5/95	≤14.05/0.5	≤14.4/0.55
	3/70	≤16.4/0.4	≤16.8/0.45
	2/98	≤18.3/0.35	≤18.75/0.4
	1/99	≤21.4/0.3	≤21.9/0.35
PDL (dB)	≤0.10	≤0.15	
Directivity (dB)	≥55		
Operating temperature (°C)	0 ~ +70		
Storage temperature (°C)	-40 ~ +85		

**Package Information**

Configuration	1x2 or 2x2
Fiber length	1m, others on request
Fiber Type	SMF-28e or SMF-28e XB,
Pigtail type	250μm bare fiber
Dimensions(φ×L)(mm)	Φ2.4×L22 (K) or Φ2.4×L25(J) or φ2.4×L30(H) or φ3.0×L30(G) or φ3.0×L35(F)

\*\*\* Other package dimensions can be made on customer request.

**Ordering Information**

FW BC	Wave length	Port Type	Coupling Ratio	Grade	Package	Fiber type	Size	0	Pigtail Type	Length	Connector
	3=1310 nm 5=1550 nm	1=1 x2 2=2 x2 .....	1=1/99 2=2/98 3=3/97 5=5/95 A=10/90 B=20/80 C=30/70 E=50/50	P=P grade  A=A grade	F=(Φ3XL35) G=(Φ3XL30) H=(Φ2.4XL25) J=(Φ2.4XL25) K=(Φ2.4XL22)	0=SMF-28e 1=SMF-28e XB	M=Mini size	0	1=250um bare fiber	H=0.5m 8=0.8m 1=1m 5=1.5m 2=2m	0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/UPC 6=SC/APC