


## Fused Wide Band Coupler

Features	
Wide Bandwidth Low Insertion Loss High Reliability	
Applications	
Telecommunications CATV Network FTTH/PON	

### Specifications

Parameter		Grade P	Grade A
Operating wavelength (nm)		1310 +/-40 or 1550 +/-40 or 1528 ~1565 or 1570 ~1605 or C+L:1530~1610	
Typical excess loss (dB)		0.07	0.10
Insertion loss (dB)	50/50	≤3.4	≤3.6
	40/60	≤4.4/2.6	≤4.7/2.8
	30/70	≤5.7/1.9	≤6.0/2.0
	20/80	≤7.6/1.25	≤8.0/1.3
	10/90	≤11.0/0.65	≤11.5/0.8
	5/95	≤14.2/0.4	≤14.8/0.5
	2/98	≤18.5/0.25	≤19.0/0.35
	1/99	≤21.5/0.2	≤22.0/0.3
PDL (dB)		≤0.1	≤0.15
Directivity (dB)		≥55	
Operating temperature (°C)		-40 ~ +85	

### Package Information

Configuration	1x2 or 2x2		
Fiber length	1m, others on request		
Fiber Type	N.A.		
Pigtail type	250µm bare fiber	900µm loose tube	900µm/2mm/3mm loose tube
Dimensions(mm)	φ3.0×L54(D) or φ3.0×L40(E)	φ3.0×L54(D)	90x20x9.5(P7)

### Ordering Information

FW/BC	Wavelength	Port Type	Coupling Ratio	Grade	Package	Fiber type	Core	Pigtail Type	Length	Connector
	3=1310+/-40nm 5=1550+/-40nm C=1528~1565nm L=1570~1605nm 7=1530~1610nm 4=1490+/-40nm	1=1 x2 2=2 x2 .....	1=1/99 2=2/98 3=3/97 4=4/96 5=5/95 A=10/90 B=20/80 C=30/70 D=40/60 E=50/50	P=P grade  A=A grade	D=(φ3*L54) E=(φ3*L40) F=(φ3*L35) G=(φ3*L30) H=(φ2.4*30) J=(φ2.4*L25) K=(φ2.4*L22)	0=SMF-28e 2=G657 A1 4=Fiber core's SM150 0(5.3/8.0)	0 0	1=250um bare fiber 2=900um loose tube 3=3mm loose tube	H= 0.5m 8= 0.8m 1= 1m 5= 1.5m 2=2m A=2.5M 3=3.0M 4=4.0M	0=None 1=FC/UPC 2=FC/APC 3=LC/UPC 4=LC/APC 5=SC/UPC 6=SC/APC 7=入 LC/UPC 出 FC/UPC