

Single Mode Wide Band Coupler

Features	
Low excess loss & low IL & low PDL High stability and reliability	
Application	
Optical communication systems CATV Optical fiber sensors Testing instruments	

Specifications:

Parameter		Grade P	Grade A
Operating wavelength (nm)		1310 or 1550 or 1528 ~1565 or 1570 ~1605 or C+L	
Operating bandwidth (nm)		±40	
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	SMF-28e		
Pigtail type	250µm bare fiber	900µm loose tube	900µm/2mm/3mm loose tube
Dimensions(mm)	φ3.0×54 or φ3.0×40	φ3.0×54 φ3.0×56	90×14×8.5 or 90×16×9

Ordering Information

CP	Type	Grade	Port Type	Wavelength (nm)	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package
	W=Wide band coupler	P A	1x2 2x2	1310/1490/ 1550	1/99 2/98 3/97 50/50	250=250um bare fiber 900=900um loose tube 2000=2mm loose tube 3000=3mm loose tube	1=SMF-28e	1= 1m X:other	NE=None FA=FC/APC FC=FC/UPC SA=SC/APC SC=SC/UPC LC=LC/UPC LA=LC/APC MU=MU/UPC XX=Others	3x40 3x54 3x56 90x14x8.5 90x16x9