

Ultra Broadband Dual Window Single mode Coupler

Features	
Low excess loss & low IL & low PDL Ultra broadband operating High stability and reliability	
Application	
Optical communication systems CATV FTTH/PON	

Specifications

Parameter		Grade P	Grade A
Operating wavelength (nm)		1310 /1550	
Operating bandwidth (nm)		±80	
Typical excess loss (dB)		0.07	0.10
Insertion loss (dB)	50/50	≤3.8	≤4.0
	40/60	≤5.0/2.8	≤5.2/3.0
	30/70	≤6.4/2.0	≤6.7/2.2
	20/80	≤8.3/1.3	≤8.7/1.5
	10/90	≤11.5/0.7	≤12.0/0.8
	5/95	≤14.6/0.45	≤15.5/0.5
	2/98	≤18.8/0.3	≤19.5/0.4
	1/99	≤22.5/0.25	≤23.5/0.35
PDL (dB)		≤0.15	≤0.20
Directivity (dB)		≥55	
Operating temperature (°C)		40 ~ +85	

Remark: Insertion Loss around 1380nm(water peak) is not counted in the specifications above.

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
	D=Ultra broad Dual window Coupler	P A	1x2 2x2	1310/1550	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