

Three Window Single Mode Coupler

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

Specifications

Parameter		Grade P	Grade A
Operating wavelength (nm)		1310/1490/1550 or others	
Operating bandwidth (nm)		1310 ± 40, 1490 ± 10 and 1550 ± 40	
Typical excess loss (dB)		0.07	0.10
Insertion loss (dB)	50/50	≤3.6	≤3.8
	40/60	≤4.7/2.7	≤4.9/2.9
	30/70	≤6.0/1.9	≤6.3/2.1
	20/80	≤7.9/1.3	≤8.4/1.4
	10/90	≤11.2/0.75	≤12.0/0.8
	5/95	≤14.6/0.4	≤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	

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
	T=Three Window 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