


1500-1650nm Wideband Coupler

Features Low Excess Loss & Low IL & low PDL All Band Operating Wavelength High Stability and Reliability	
Application Optical Communication Systems CATV FTTH/PON	

Specifications

Parameter	Grade P	Grade A	
Operating Wavelength (nm)	1500~1650		
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		

Insertion Loss around 1380nm (water peak) is 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	2mm/3mm Loose Cable
Dimensions(mm)	φ3.0×54 or φ3.0×40	φ3.0×54 φ3.0×56	90×16×9

Ordering Information

CP	Type	Grade	Port Type	Wavelength (nm)	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package
	W=Wide band	P A	1x2 2x2	1500~1650	1/99 2/98 3/97 50/50	250=250um Bare Fiber 900=900um Loose Tube 2000=2mm Loose Cable 3000=3mm Loose Cable	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 90x16x9