


1x3 Monolithic Single Mode Coupler

Features	
Low excess loss & low IL Mini Size High stability and reliability	
Application	
Optical communication systems FTTH Optical fiber sensors	

Specifications

Type Parameter	1x3 CP-S		1x3 CP-W		1x3 CP-D		1x3 CP-T	
Operating wavelength (nm)	1310, 1550,				1310/1550		1310/1490/1550	
Operating bandwidth (nm)	±15		±40		±40		1310±40, 1490±10 and 1550±40	
Grade	P	A	P	A	P	A	P	A
Typical excess loss (dB)	0.1	0.15	0.1	0.15	0.1	0.15	0.1	0.15
Insertion loss (dB)	≤5.4	≤5.7	≤5.6	≤6.0	≤5.8	≤6.2	≤5.8	≤6.2
PDL(dB)	≤0.2	≤0.25	≤0.2	≤0.25	≤0.25	≤0.3	≤0.25	≤0.3
Uniformity (dB)	≤0.8	≤1.2	≤1.0	≤1.4	≤1.2	≤1.5	≤1.2	≤1.5
Directivity (dB)	≥55							
Operating temperature (°C)	-40 ~ +85							

Package Information

Configuration	1x3	
Fiber length	1m, others on request	
Fiber Type	SMF-28e	
Pigtail type	250µm bare fiber	900µm loose tube
Dimensions(mm)	φ3.0×54 or 3.5×40 or φ3.0×30	φ4.0×60 or φ 3.5×56

Ordering Information

CP	Type	Grade	Port Type	Wavelength (nm)	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package
	S = Single mode standard coupler W =Wide band coupler D =Dual window coupler T =Three Window coupler	P A	1x3	1310 1550 1310/1550	EVEN 1/1/98% 2/2/96% 3/3/94% 5/5/95% 10/10/80% 20/20/60%	250=250um bare fiber 900=900um 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	3x54 3.5x40 3x30 4x60 3.5x56