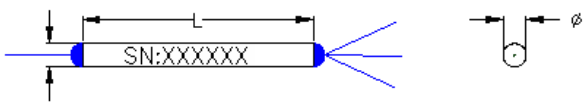


1x3(3x3), 1X4 Monolithic Single Mode Coupler

Features	
Wide Bandwidth Low Insertion Loss & PDL High Reliability	

Specification:

Port	1x3 CP-S		1x3 CP-W		1x3 CP-D		1x3 CP-T		3x3 CP-S		3x3 CP-W	
Parameter												
Operating wavelength (nm)	1310 or 1550				1310/1550		1310/1490/1550		1310, 1550,		1310, 1550	
Operating bandwidth (nm)	±15		±40		±40		1310±40, 1490±10 and 1550±40		±15		±40	
Grade	P	A	P	A	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	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	≤5.6	≤5.8	≤5.8	≤6.2
PDL(dB)	≤0.2	≤0.25	≤0.2	≤0.25	≤0.25	≤0.3	≤0.25	≤0.3	≤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	≤1.0	≤1.4	≤1.3	≤1.6

Type Parameter	1x4 CP-S		1x4CP-W		1x4 CP-D		1x4 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)	0.15	0.25	0.2	0.3	0.3	0.4	0.3	0.4
Insertion loss (dB)	≤7.0	≤7.4	≤7.1	≤7.4	≤7.2	≤7.5	≤7.2	≤7.5
PDL(dB)	≤0.2	≤0.25	≤0.2	≤0.25	≤0.25	≤0.3	≤0.25	≤0.3
Uniformity (dB)	≤1.2	≤1.4	≤1.2	≤1.6	≤1.4	≤1.8	≤1.4	≤1.8
Directivity (dB)	≥55							
Operating temperature (°C)	-40 ~ +85							
Fiber Type	SMF-28e or RC 80/165um Fiber							

Package Information

Pigtail type	250/165µm bare fiber	900µm loose tube
Dimensions(mm)	Normal Size: 3x54 Mini size : 3x40mm, 3x35mm, 2.4x30mm, 2.4x25mm	Φ4x65

Ordering Information

CP	Type	Grade	Port	Wavelength	Coupling Ratio	Pigtail Type	Fiber Type	Length	Connector	Package
	S = Single mode standard coupler W =Wide band coupler D =Dual window coupler	P A	13=1x3 33=3x3 14=1x4	1310=1310 1550=1550 1315=1310/1550 3455=1310/1490/1550	E=EV EN	0=250um bare fiber 1=900um loose tube 8=165um bare fiber	1=SMF-28e 8=RC80 SMF-28	1= 1m X:other	NE=None FC=FC/UPC SC=SC/UPC FA=FC/APC SA=SC/APC LC=LC/UPC	54=3x54 65=4x65 35=3x35 40=3x40 30=2.4x30 25=2.4x25