



LP Technical Development Ltd

1x4 Monolithic Single Mode Coupler

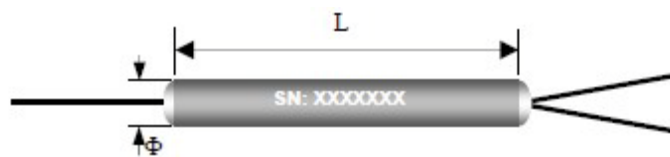
Features	Applications
Wide Bandwidth Low Insertion Loss & Low Excess Loss High Reliability	Telecommunications CATV Network FTTH/PON Fiber sensor

Specifications

Parameter	1x4 SSC		1x4 WBC		1x4 DWC		1x4 TWC	
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)	≤1.0	≤1.4	≤1.2	≤1.6	≤1.4	≤1.8	≤1.4	≤1.8
Directivity (dB)	≥55							
Operating temperature (℃)	-40 ~ +85							

Package Dimensions

Configuration	1x4	
Fiber length	1m, others on request	
Fiber Type	SMF-28e	
Pigtail type	250μm bare fiber	900μm loose tube
Dimensions(mm)	φ3.0×54	φ4.0×75



Ordering Information

	Grade	Port	Wavelength	Coupling Ratio	Pigtail	Fiber	Length	Connector	Package
SSC	A=A	1x4	1310	EVEN	0=250μm	0=SMF-28e	1m	FC,SC,LC,ST,MU/UPC,APC	3x54
WBC	Grade		1550		bare fiber				4x75
DWC	P=P		1310/1550		1=900μm				
TWC	Grade				loose tube				

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