



LP Technical Development Ltd

1x3 Single Mode Coupler

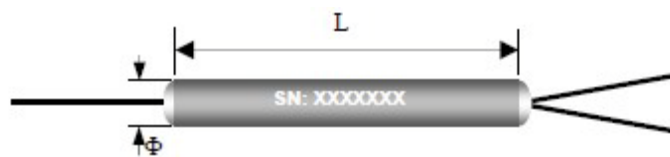
Features	Applications
High Isolation Low Insertion Loss & Low IL and PDL High Reliability	Telecommunications CATV Network FTTH/PON Fiber sensor

Specifications

Parameter	1x3 SSC		1x3 WBC		1x3 DWC		1x3 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)	0.1	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 (℃)	-40 ~ +85							

Package Dimensions

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



Ordering Information

	Grade	Port	Wavelength	Coupling Ratio	Pigtail	Fiber	Length	Connector	Package
SSC	A=A	1x3	1310	EVEN	0=250µm	0=SMF	1m	FC,SC,LC,	3x54
WBC	Grade		1550		bare fiber	-28e		ST,MU/UP	3x60
DWC	P=P		1310/1550		1=900µm			C,AP	
TWC	Grade				loose tube			C	

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