



LP Technical Development Ltd

1x2,2x2 Fused PM Coupler

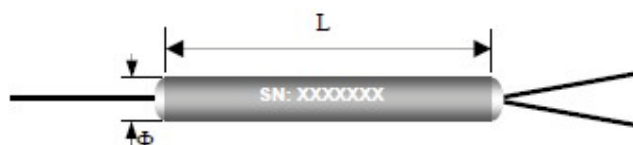
Features	Applications
High Handling Power High Extinction Ratio Low Excess Loss High Reliability	Fiber Laser Fiber Sensor Optical Amplifier Power Monitoring

Specifications

Parameter		P grade	A grade	P grade	A grade	P grade	A grade
Operating wavelength(nm)		1310, 1550		980,1064		850	
Operating bandwidth(nm)		±15					
Excess Loss(dB)		≤0.3	≤0.4	≤0.4	≤0.6	≤0.8	≤0.6
Extinction Ratio(dB)		≥20	≥18	≥20	≥18	≥20	≥18
Directivity(dB)		≥55					
Insertion Loss(dB)	50/50	≤3.4	≤3.6	≤3.6	≤3.8	≤3.8	≤4.0
	40/60	≤4.4/2.8	≤4.7/3.0	≤4.7/3.0	≤4.9/3.2	≤4.9/3.2	≤5.1/3.4
	30/70	≤5.6/1.9	≤5.75/2	≤6.2/2.2	≤6.4/2.4	≤6.4/2.4	≤6.6/2.6
	20/80	≤7.6/1.4	≤8.0/1.5	≤8.0/1.5	≤8.2/1.7	≤8.2/1.7	≤8.5/1.9
	10/90	≤11.2/0.85	≤11.6/1.0	≤11.6/1.2	≤11.8/1.4	≤11.8/1.4	≤12.0/1.6
	5/95	≤14.2/0.6	≤14.8/0.8	≤14.8/0.8	≤15.0/1.0	≤15.0/1.0	≤15.2/1.2
	2/98	≤16.8/0.35	≤17.4/0.45	≤18.4/0.35	≤18.9/0.5	≤19.0/0.50	≤19.5/0.7
	1/99	≤21.5/0.3	≤22/0.4	≤22/0.4	≤22.5/0.6	≤22.5/0.6	≤22.8/0.8
0.1/99.9	28~32 / 0.25	--	28~32 / 0.25	--	--	--	
Port Type		1x2 ,2x2					
Fiber Type		Fujikura Panda fiber					
Operating temperature		-20 ~ +75(℃)					
Operating temperature		-40 ~ +85(℃)					
Pigtail		250um bare fiber		900um loose tube		2mm/3mm loose tube	
Dimensions(mm)		φ3×54		φ3×54		90x14x8.5	

1. All values referenced without connector
2. Panda fiber and connector key is aligned to slow axis

Package Dimensions



<http://www.lptechnical.com>



Ordering Information

	Grade	Port	Wavelength	Coupling Ratio	Pigtail	Fiber	Length	Connector	Package
PMSSC	A=A	1x2	850	1/99	0=250um	5=	1m	FC,SC,LC,	3x54
	Grade	2x2	980	2/98	bare fiber	Panda		ST,MU/UP	90x14x8.5
	P=P		1064	3/97	1=900um	Fiber		C,AP	
	Grade		1310		loose tube			C	
			1550	50/50	2=2mm				
					loose tube				
					3=3mm				
					loose tube				