

Polarization-maintaining Single Mode Coupler

Features

Low insertion loss
High extinction ratio and isolation
Excellent environmental stability

Application

EDFA
Optical fiber amplifier
Optical fiber sensing

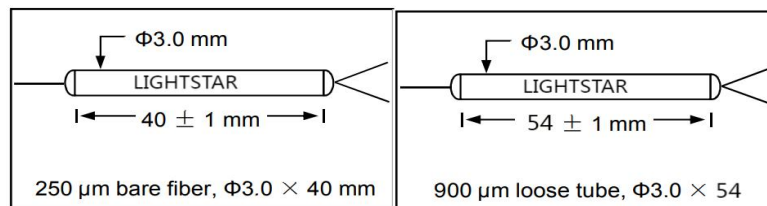
Specifications

Parameter		Grade P	Grade A
Operating wavelength(nm)		1550,1310,1064,1030,980,850,780,633	
Bandwidth(nm)		$\pm 15\text{nm}$	
Insertion loss(dB)	50/50	≤ 3.6	≤ 3.8
	40/60	$\leq 5.2/3.1$	$\leq 5.4/3.3$
	30/70	$\leq 5.8/2.0$	$\leq 6.1/2.1$
	20/80	$\leq 8/1.5$	$\leq 8.2/1.7$
	10/90	$\leq 11.6/1.2$	$\leq 11.8/1.4$
	5/95	$\leq 14.8/0.8$	$\leq 15/1.0$
	2/98	$\leq 18.4/0.4$	$\leq 18.9/0.5$
	1/99	$\leq 22/0.35$	$\leq 22.5/0.4$
Extinction ratio(dB)	Coupler Ratio $> 10\%$	20	18
	$10\% \leq \text{Coupler Ratio} \geq 5\%$	18	16
	Coupler Ratio $< 5\%$	16	14

Structure	1x2 or 2x2		
Optical length	0.8m, others on request		
Fiber type	Panda fiber		
Pigtail type	250 μm bare fiber	900 μm loose tube	900 μm /2mm/3mm loose tube
Package dimensions($\phi \times L$)(mm)	$\phi 3.0 \times L54$ $\phi 3.0 \times L40$ $\phi 3.0 \times 60$	$\phi 3.0 \times L54$ $\phi 3.0 \times 60$ $\phi 3.0 \times L70$	90x20x9.5

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

FPMC--①①①①-②-③-④④④-⑤-⑥-⑦-⑧-⑨

①①①①:Wavelength

1310=1310nm
1550=1550nm
SSSS=Specify

②Port type

1= 1x2
2=2x2

③:Splitting ratio

1= 1/99
A= 10/90
S=Specify

④④④:Fiber type

008=SMF-28e
004=HI1060
SSS=Specify

⑤:Rank

P=P Grade
A=A Grade

⑥:Package dimensions

2= $\phi 3.0 \times L54$
3= $\phi 3.0 \times L60$
S=Specify

⑦:Pigtail type

1=250um bare fiber
2=900um loose tube
S=Specify

⑧:Length

H=0.5m
1= 1.0m
S=Specify

⑨:Connector

0=None
1=FC/UPC
2=FC/APC
S=Specify